



**MICHIGAN TEST FOR TEACHER CERTIFICATION
ANNUAL LEGISLATIVE REPORT FOR 2013-2014**

**Submitted by the
Office of Professional Preparation Services
P.O. Box 30008, Lansing, Michigan 48909**

Michigan Test for Teacher Certification Highlighted Summary Points

November 1, 2014

- Online registration continued to be a valued improvement in the Michigan Test for Teacher Certification (MTTC) program. 99.7% of the 2013-2014 test taker registrations occurred online.
- During 2013-2014 the Michigan Department of Education (MDE) implemented the Professional Readiness Examination, which is aligned to Michigan State Board of Education standards and expectations for Michigan's 21st Century high school graduates' proficiency in mathematics and English Language Arts.
- Optional computer-based testing expanded in use in the MTTC program during 2013-2014.
 - Computer-based testing was offered in eleven fields, including new tests in Elementary Education, History, Professional Readiness Examination (reading, writing, and mathematics), and Social Studies (elementary and secondary).
 - 5,176 examinees used the computer-based test option; this represents approximately 26% of the total examinee registrations, which is a 10 percentage point increase from 2012-2013.
 - The available testing dates were increased from six to twelve, over a fourteen-day calendar period.
- Full-length practice tests were expanded in use in the MTTC program.
 - Practice tests were offered in eleven fields: Early Childhood-General and Special Education, Elementary Education, English, History, Integrated Science-elementary, Language Arts, Mathematics (elementary and secondary), Professional Readiness Examination (PRE), and Social Studies (elementary and secondary).
 - 2,257 practice tests were used; this represents approximately a 50% increase in usage compared with 2012-2013.

DEVELOPMENT AND USE OF THE MICHIGAN TEST FOR TEACHER CERTIFICATION

Background Information

Section 380.1531 of the Michigan Revised School Code mandates the implementation of a teacher certification testing program. Under the provisions of Public Act 282, a testing program was developed and implemented by the Michigan Department of Education (MDE) in the 1991-1992 school year.

As mandated by legislation, two advisory groups assisted with the implementation of the certification testing program in Michigan. These groups included an eleven-member Teacher Examination Advisory Committee (TEAC) and a seven-member Standing Technical Advisory Council (STAC). The TEAC and the STAC provided recommendations to the State Board of Education (SBE), the State Superintendent, and MDE staff for the development, administration, and use of the required tests. The TEAC was very active in establishing testing protocols and requirements for the first contract; however, the committee has not operated in recent years. The STAC has met annually since the formation of the Michigan Test for Teacher Certification (MTTC) program to handle psychometric questions and advise the MDE and the State Superintendent in MTTC technical matters.

The MTTC STAC function was subsumed by the MDE's Division of Accountability Services (DAS) Technical Advisory Committee (TAC) during 2013. This occurred because the Office of Professional Preparation Services (OPPS) was placed within DAS's organizational structure. The DAS TAC is composed of seven experts in education testing and psychometrics. The DAS TAC will continue to advise the State Superintendent on MTTC technical matters.

Implementation and Administration of the Michigan Test for Teacher Certification – History:

Following a competitive bid process, the State Administrative Board approved the appointment of National Evaluation Systems, Inc. (NES) of Amherst, Massachusetts, as the contractor for the development and administration of the MTTC. The initial contract period was June 1, 1991, through September 30, 1996.

After a second competitive bid process, NES was again approved by the State Administrative Board as the MTTC contractor. The second contract period was scheduled to end September 30, 2001. To ensure the continuity of the testing process during the initial year of the federal accountability system under the Higher Education Act (HEA) Title II (1998), an extension period for the second contract was sought to maintain stability as the institutions transitioned into accountability reporting modes. The extension was granted for two years, to September 30, 2003. During 2002-2003, a new Request for Proposal (RFP) was issued for competitive bids for a third five-year contract for the development and administration of the MTTC program. NES was again successful in its bid and was approved by the State Administrative Board as the MTTC contractor. The contract period was established as October 1, 2003, through September 30, 2008. This contract called for several

improvements and updates in the MTTC process, with notable improvement in services to test takers.

In April 2006 NES was purchased by Pearson Education and became known as Evaluation Systems group of Pearson (ES). In consultation with the MDE, ES continued working with the schedule for developing, updating, and administering tests as described and summarized in Attachment 1.

During 2007-2008 a one-year contract extension was agreed upon by the MDE and ES. This extension was necessary in order for the MDE to prepare an RFP for a new five-year contract which would incorporate recommendations from a Teacher Preparation Policy Study Group (TPPSG) appointed by the State Superintendent. Among other things, the TPPSG recommended computer-assisted testing and online full-length practice tests. These upgrades were written into a new RFP.

In response to the fourth competitive bid process in which four national test production companies received RFPs to provide MTTC service, ES was approved by the MDE's Financial Management and Accounting Office and the OPPS for a five-year contract, effective October 1, 2009 through September 30, 2014. During February 2009 ES verified and signed the contract.

The 2009-2014 contract provided increased access and testing support for test takers, including more dates for paper-based testing (PBT). The additional PBT dates gave test takers the convenience of two test dates before the close of the first academic semester. Computer-based testing (CBT) for high incident tests began during 2010-2011 as an optional service to test takers. At least two computer-based test fields were added annually. Test taker preparation is assisted by full-length practice tests. Beginning with 2010-2011 at least two full-length practice test fields were added annually. The contract also included increased test security measures through thumb printing of test takers.

During 2013-2014 a two-year contract extension was agreed upon between the MDE and ES, October 1, 2014 through September 30, 2016. This extension was necessary in order to provide time for the new TAC to review the MTTC program and provide technical recommendations, if needed, and for the DAS to produce a new RFP based on TAC recommendations.

The MTTC is comprised of a Professional Readiness Examination (reading, writing, and mathematics) and 61 subject area tests including a comprehensive elementary education examination. During 2013-2014 the Professional Readiness Examination (PRE) replaced the Basic Skills Test (BST), which had been in use since February 1992. The PRE is aligned to the Michigan State Board of Education's standards and expectations for Michigan's 21st Century high school graduates' proficiency in mathematics and English language arts.

During the 2013-2014 testing year, MTTC PBTs were administered on October 5, 2013; January 4, 2014; April 12, 2014; and July 12, 2014. On these dates, the tests were administered in the geographic areas of Detroit, Grand Rapids, Kalamazoo, Lansing, Marquette, Mt. Pleasant, Pontiac/Auburn Hills, Saginaw, Sault Ste. Marie, Traverse City, and Ypsilanti. A total of 5,696 paper-based PRE and 11,716 paper-based content/subject area tests were registered during 2013-2014.

Optional CBTs in Early Childhood-General and Special Education, Elementary Education, English, History, Integrated Science-elementary, Language Arts, Mathematics (elementary and secondary), Professional Readiness Examination, and Social Studies (elementary and secondary) were offered for twelve days during a fourteen-day testing window during August 2013, September 2013, November 2013, December 2013, February 2014, March 2014, May 2014, and June 2014. The tests were offered at forty-one (41) Pearson VUE or affiliated sites across geographic locations throughout the Upper-Peninsula to southern Michigan. Pearson VUE has other national and international computer administration sites available to individuals wanting to take the MTTC. A total of 5,521 CBT PRE and 2,845 computer-based content/subject area tests were registered during 2013-2014.

During the 2002-2003 academic year, the testing contractor initiated a web-based information and registration system for candidates. This improved service allows candidates to register online, using a credit card for payment, and download study guides and test objectives for MTTC tests. Over ninety-nine percent (99.7%) of test registrations were done online during 2013-2014. The electronic service gives test takers the ability to obtain unofficial test results online promptly after scores are released by the testing contractor. In prior years, candidates had to register by paper with no credit card options, could only order paper copies of study guides at a cost of \$6 per guide, and could not access test result information. During 2005-2006, the testing contractor improved the website, including a new Frequently Asked Questions selection which may be accessed at: http://www.mttc.nesinc.com/MI17_faq.asp

In addition to regular online registration procedures, during 2002-2003 a computer-supported emergency registration system became operational. The emergency registration system allows individuals to register for PBT as late as Friday, one week before a scheduled Saturday/Sunday test administration, for an additional \$70 fee. Those using this process can be tested at the following designated sites: Detroit, Grand Rapids, Marquette, Pontiac/Auburn Hills, and Ypsilanti. Approximately six percent (5.8%) of registered test takers used the emergency registration during 2013-2014 suggesting this option remains important for some candidates.

A revised registration bulletin is prepared by the testing contractor and approved by the MDE during May/June of each year in preparation for the next annual test administration period. New registration bulletins for 2013-2014, including change notices, were produced and available online to Michigan colleges and universities by ES in August 2013. Registration bulletin information is easily available on the MTTC website at: <http://www.mttc.nesinc.com>

The MTTC website ensures educator preparation institutions and teacher candidates always have quick access to MTTC information.

Technical and Legal Changes

Beginning with the October 2001 test administration, at the request of the Michigan Association of Colleges for Teacher Education, a verification system of test taker eligibility was introduced. This system allows each institution to confirm the institutional affiliation and eligibility of MTTC test takers prior to the production of institution summary data for each test administration. Eligibility rosters are sent out to institutions for test taker verification three days prior to each test administration and due back to the testing contractor no later than 11 business days following the test administration (before information on test performance is available). The institution roster and passing percentages by test field are modified to include results only for individuals confirmed as affiliated and eligible during the verification process. This process does not restrict individuals from taking MTTC tests; it only assures educator preparation institution reports focus on their identified teacher candidates who have taken sufficient coursework in the content/subject area.

During 2013-2014 ES continued to use the institutional verification procedure to produce annual passing percentage analyses for the current test administration period. As a consequence of CBT, the MTTC score report period was from August 2013 through July 2014. This reporting period is different from years in which only paper-based tests were used. During those years the score report interval was from September of one year through August of the next.

During 2013-2014 ES prepared a three-year summary of passing percentages. This three-year summary reported passing percentages for the period of August 2011-July 2014 by institution and by test field. Educator preparation institutions which did not make use of the verification system of examinee eligibility cannot challenge the MTTC performance results reported in the three-year summary.

As an improvement in communication with educator preparation institutions, the institution score reports for the most recent test administration were made available electronically to institutions via a secure website developed and maintained by ES. This improvement was first used in November 2002. Since then the website is regularly used to disseminate test taker performance to institutions. The 2013-2014 institution score reports were available electronically to the state and the institutions.

A summary of the 2013-2014 state passing percentages for all tests for candidates verified by the educator preparation institution as eligible to take a specific exam is included (Attachment 2). The OPPS provides educator preparation institutions with this summary prior to posting on the MDE website. In addition to this statewide summary, an institution also receives an annual MTTC performance summary of the institution's own eligible test takers. Separate institution MTTC performance summaries are also posted on the MDE website after an institution has the opportunity to review the report.

In response to the data reporting requirements of the Higher Education Act (HEA) Title II, institutional test scores (including the passing percentages for all program completers) must be reported to the MDE annually for submission to the United States Department of Education (USED). In Michigan, program completers are defined as persons who have completed (during a reporting year) applicable institutional requirements and all additional state requirements, including the passing

of all required tests for certification. Because of the specificity of this definition and the requirements of Michigan law, the passing percentage derived from these calculations must be one hundred percent (100%). This information is required by the HEA Title II to be published for public access and dissemination. All Title II state reports are added to the USED Title II website developed by Westat, Inc. The site became available to the public in November 2004 and may be accessed at: <https://title2.ed.gov>

During 2013-2014, ES continued working with the MDE and educator preparation institutions via a secure website to produce passing percentage data required as part of HEA Title II reporting requirements. ES paired the individuals in each institution's program completer list to MTTC candidate files, and provided each institution corresponding test data via the secure website. Following a period of institutional verification, ES produced final institutional and statewide passing percentage reports for HEA Title II reporting.

To extend HEA Title II-style reports to a fuller representation of teacher candidate achievement on MTTC tests, the MDE requires ES to construct a three-year summary report of eligible first-time test takers who may, or may not, have completed teacher preparation programs at Michigan institutions. The most recent MTTC three year report (August 2010-July 2013) provided to the State Superintendent and the SBE, is included as Attachment A.

The OPPS provides institutions with three-year summary reports of statewide and individual institution MTTC performance before the performance reports are posted on the MDE website. The three-year summary reports are also used in the preparation of educator preparation institution performance scores for the SBE. The performance scores are used to identify Michigan's educator preparation institutions as "at-risk" or "low-performing" as required by HEA Title II, Section 208(a).

As of 2010-2011 the OPPS discontinued providing the State Superintendent with a formal one-year annual report. This was done at the request of the Superintendent because the necessary MTTC performance information is included with this required annual legislative report. The Superintendent, upon request, is provided with highlights from the one year report and receives additional MTTC performance information in a formal three-year summary.

Development and Improvement of the MTTC Examinations

In accordance with the existing contract, ES agreed to revise approximately 25 MTTC tests during the five-year contract. During 2013-2014 new or updated objectives and test item banks continued in development for Cognitive Impairment, Early Childhood-General and Special Education, Emotional Impairment, Learning Disabilities, and Physical Education.

An overall description of the test updating and development process is included with this report (Attachment 3). This process involves the assembling of bias review committees (BRCs) and content advisory committees (CACs) of practicing Michigan K-12 teachers, college/university content specialists, and teacher educators qualified in specific content areas. These committees review and approve test objective frameworks constructed by the testing contractor from the SBE-approved teacher

preparation standards and K-12 curriculum expectations. Furthermore, both committees review, modify, and approve test items written on the basis of unique objective frameworks. Finally, CACs recommend the standard (passing score) for passing MTTC tests. During 2013-2014, 209 Michigan K-12 teachers, college/university content specialists, and teacher educators contributed their time and professional expertise to the various processes of test development (Attachment 4). School districts across the state are reimbursed by the testing contractor for substitute teachers needed to release classroom teachers for the important work of constructing, validating, and recommending the passing score of MTTC tests.

Following the CACs approval of a test objective framework, the individual objectives for new or revised tests are validated through a random survey of Michigan teachers, college/university content specialists, and teacher educators who are qualified in the respective content area fields. These qualified professionals rate the importance of each of the objectives for a Michigan K-12 teacher. Test items are prepared for all validated objectives. CACs are reassembled to review every draft test item for content. These committees have complete authority to revise or delete test items, as the CAC deems appropriate.

As a regular practice, both the objectives and the test items for new or revised tests are reviewed for bias. This involves the selection of a BRC from a diverse pool of education professionals in Michigan. The BRC is assembled to review the test objectives and again to review the test items for language, content, or perspective which could constitute potential bias against candidates because of gender, race, ethnicity, nationality, religion, age, impairment condition, or cultural, economic, or geographic background.

During 2013-2014 the MDE continued implementation of the new standard setting paradigm for recommending a passing score for MTTC tests. First used in 2012-2013, the new paradigm asks standard setting panel members to:

Imagine a hypothetical group of individuals who have the level of content knowledge required to perform effectively the job of a qualified Michigan educator in this certificate/endorsement area. What percent of this group would answer this item correctly?

Nine MTTC tests were updated to the new paradigm. Those tests were: Economics, Elementary Education, Geography, History, Political Science, Professional Readiness Examination (reading, writing, mathematics), School Counselor, Social Studies-elementary, and Social Studies-secondary. Prior to implementation of the new standard setting paradigm panel members were asked to:

Imagine a hypothetical group of individuals who have the minimum level of content knowledge required to perform as an entry-level Michigan educator in this certificate/endorsement area. What percent of this group would answer this item correctly?

Content/subject experts selected from colleges, universities, and community colleges faculty, and Michigan elementary and secondary teachers participated in the standards setting panel. Panel members are required to have a Michigan teaching certificate and an endorsement or advanced degree within the content/subject matter being tested. These content/subject area experts also have experience with the development of Michigan standards in the content/subject areas tested.

The passing score recommended by a content expert panel is used as the basis for establishing the initial passing score for any new or revised test. Prior to 2012-2013 the MDE procedure was to set the initial passing score for any new or revised test at one Standard Error of the Process (-1 SEP) below an expert committee's recommended passing score. The MDE used this lower passing score for the first two years of testing to assure institutions have had time to align their teacher preparation programs to new SBE standards. During 2012-2013 the superintendent ended the policy of using a lower passing score for the first two operational years of test use. The initial lower passing score policy was inconsistent with an April 28, 2011, education reform speech presented by Governor Rick Snyder to Michigan legislators and to the State. In the speech, Governor Snyder asked the SBE and the MDE to "raise the bar for certification tests." Both the new standard setting paradigm and the discontinuation of the initial lower passing score policy raised the bar for certification testing in Michigan.

The STAC, and now the DAS TAC, reviews performance on all tests at its meeting(s) and can recommend adjustments to passing scores when there are strong technical reasons to do so. These technical reasons are based on current American Educational Research Association, American Psychological Association, and National Council on Measurement in Education Standards for educational and psychological testing. During 2013-2014, ES continued to use a three-round process for standard setting. The current protocol was recommended to the State Superintendent by the STAC to reflect the stable standards-based situation in the state and to increase the information available to content experts during the standard setting process.

On June 30, 2008, the State Superintendent approved the modification of scale score reporting on the MTTC Examinee Performance Score Report. Effective October 18, 2008, the MTTC Examinee Performance Score Report no longer reported the passing score of test takers who achieve a scale score of 220 or greater. For these test takers, the score report simply states "Passed" on the score report. Test takers with scale scores less than 220 receive score reports with the numerical scale score shown so they have some indication of how far they are from the required passing scale score. This modification was undertaken to eliminate the use of scale scores for ranking of candidates and teachers applying for teaching positions, a use for which MTTC tests are not valid. Educator preparation institutions continue to receive mean scale score summaries which include scale scores of 220 or greater for use in national accreditation program reviews. Scale scores less than 220 will continue to be reported to test takers and institutions for their information.

In order to help candidates prepare for MTTC tests, study guides, including those updated for revised or new tests, have been available for purchase from ES since the beginning of the MTTC program. In 2001, the MDE required newly developed tests include 20 practice items across the content objectives, doubling the number from the 1991-2000 administration. To date, 49 of the 61 study guides have been updated.

Prior to the beginning of the testing cycle, copies of the current objectives for each test are provided to each educator preparation institution for duplication and distribution to help candidates prepare or to make faculty aware of test requirements.

A test's objective framework is also printed in its study guide. Effective with the 2002-2003 test administration, study guides began to be available for downloading from the MTTC website at no cost, increasing access to information supporting successful test performance. With the 2009-2014 MTTC contract study guide access was expanded to include full-length practice tests. During 2013-2014 full-length practice tests were available for high incident fields: Early Childhood-General and Special Education, Elementary Education, English, History, Integrated Science-elementary, Language Arts, Mathematics (elementary and secondary), Professional Readiness Examination, and Social Studies (elementary and secondary).

Due to an expressed interest by the SBE in using performance assessment to augment the traditional multiple choice testing format of teacher certification tests, a performance assessment component was added to the MTTC Spanish test during 1995 in the form of a Spanish speaking assessment incorporated into the Spanish test. During 1996, a revised Spanish test was piloted with teacher candidates, and in May 1997, the SBE approved the addition of a speaking component to the test. The SBE also directed MDE staff to seek an amendment to Section 1531(15) of the Revised School Code to authorize the assessment of a fee in excess of the \$75 statutory cap to pay for the expanded Spanish test, and for any other new tests to which a performance assessment component may be added. To date, the statutory cap has not been amended.

The testing contractor continued to work with the MDE at incorporating performance proficiency into all updated or new World Language tests, in addition to Spanish. During July 2004, the SBE approved new World Language Standards. The standards specified a required level of teacher candidate proficiency in reading, writing, speaking, and listening. These proficiency expectations were incorporated by the MDE into new testing requirements for all world languages. The assurance of speaking (oral) proficiency has been turned over to Michigan educator preparation institutions as the MTTC assesses only reading, writing, and listening proficiency.

The MDE continues to explore the performance assessment of pedagogy. Based on the then Entry-Level Standards for Michigan Teachers (ELSMT), performance indicators were developed during 1997-1998 for use as criteria for the assessment of pedagogical skills during the practice/student teaching experience and were approved by the SBE in November 1998. The standards were used by educator preparation institutions as the basis for the development of a rubric for assessing the practice of student teachers. Revisions to the ELSMT were approved by the SBE in October 2002. However, despite continued interest in some performance assessment augmentations to the MTTC, the legislative cap on testing fees prohibits the development of further performance elements, which are more costly to develop and much more costly to score than multiple choice items. At this point, Michigan does not have a statewide assessment of pedagogy. The MDE had relied upon educator preparation institutions to use the ELSMT criteria for assessing pedagogy prior to recommending teacher candidates for licensure. During April 2008, the ELSMT were revised and renamed Professional Standards for Michigan Teachers (PSMT) and approved by the SBE. In April 2013 the SBE approved the Michigan-Interstate

Teacher Assessment and Support Consortium (MI-InTASC) Standards for the professional development of teacher candidates in Michigan, thereby replacing the PSMT. During recent reviews of Michigan educator preparation institution program approval applications the alignment to the MI-InTASC Standards was confirmed.

Ongoing Initiatives and Future Developments

During 2011-2012, updating the then basic skills writing subtest began with Michigan K-12 teachers and college/university faculty review and approval of an objective framework aligned to the Common Core State Standards (CCSS) for English language arts. The teachers and faculty also reviewed and approved a test item bank for this basic skills subtest. The work culminated during 2013-2014 with the first operational administration of the Professional Reading Examination, replacing the Basic Skills Test.

During 2011-2012 updating of the School Counselor test began. Michigan K-12 school counselors and college/university faculty who prepare school counselors reviewed and approved an objective framework and test items aligned to new SBE approved Standards for the Preparation of School Counselors. The work culminated during 2013-2014 with the first operational use of the new School Counselor MTTC.

2013-2014 also brought the culmination of work to implement a new elementary education test and six tests related to social studies: Economics, Geography, History, Political Science, and Social Studies (elementary and secondary). The elementary education examination was updated on the basis of the new Elementary Certification Standards approved by the SBE in January 2008. The social studies-related tests were updated on the basis of SBE-approved standards, effective June 2009.

Proposals to update the elementary education test and PRE-writing subtest originated with the STAC. STAC recommended the elementary education test be delivered in two parts in order to provide increased decision reliability regarding test takers content knowledge in each of the six subareas that comprise the elementary education examination. The six subareas are: English language arts/world languages, health and physical education, mathematics, science, social studies, and visual and performing arts. During 2012-2013, plans for two 100-item elementary education subtests were suspended because of concern that the MDE would be out of compliance with legislated MTTC fee cap of \$75 for an elementary education examination. To recover test development and administration costs, plans were in place for a separate \$75 registration fee for each subtest. As a compromise, the testing contractor agreed to provide a single 150-item elementary education examination for \$75. This test was first administered during October 2013.

The STAC recommended the then Basic Skills Test [now the Professional Readiness Examination or PRE] writing subtest be updated to include more than one writing response, include 35-40 multiple choice items, and be based on the most recently available writing and language expectations for Michigan high school graduates. As a result of STAC's recommendation the PRE writing subtest was updated to align with the SBE K-12 graduation expectations for English language arts. This work culminated with the first operational use of the PRE during October 2013.

During the summer of 2002, the testing contractor developed the first draft of a technical manual for the MTTC program for the MDE. During 2013-2014, ES provided the MDE with a current technical manual, which included relevant test statistics. The technical manual was available to educator preparation institutions at their request.

To continue serving out-of-state teachers' wishes to take the MTTC in paper-based format, three out-of-state test administration centers were provided for the April administration only. These sites were in New York (New York City), Illinois (Chicago), Indiana (Bloomington) and Ohio (Columbus); however, no test takers made use of these sites. During 2013-2014 the MTTC program continued to offer PBT through the Defense Activity for Non-Traditional Education Support (DANTES) program. No MTTC test taker used DANTES during 2013-2014. MTTC computer-based testing continued during 2013-2014 to be available nationwide during months when the PBT was not offered. This nationwide access may contribute to reduce the need for PBT out-of-state opportunities.

Teach for America (TFA) candidates seeking Michigan's new Interim Teaching Certificate completed MTTC testing for a fifth consecutive year during July 2014. One out-of-state test administration center was used for a July administration only. This site was in Illinois (Chicago), and served 59 test takers who took 96 MTTC tests. The TFA candidates tested in compliance with Michigan legislation action (PA 202 of 2009) which authorizes a non-traditional route for teacher preparation in Michigan.

The MDE provides PRE alternative pass measures. This initiative became operational during May 2014. The alternative pass measures are described in an online policy brief available at:

http://www.michigan.gov/documents/mde/Policy_Brief_Regarding_the_Professional_Readiness_Examination_453315_7.pdf?20141021100113

The policy brief describes how the American College Testing (ACT) and the Michigan Merit Examination (MME) performances may be used to satisfy the requirement to pass each PRE subtest. The flexibility is possible because the PRE, ACT, and MME each reflect a common set of Michigan expectations for 21st Century Michigan high school graduates. The MTTC program provides additional flexibility in passing the PRE through a process that makes use of the statistical variation occurring at a passing score. Essentially if a PRE test taker passes two PRE subtests at the required 220 scale score, then performance within -1 statistical unit (known as the Standard Error of Measurement or SEM) of 220 will be accepted as passing the PRE in total, as described in the policy brief.

The MDE continues to look for means to implement new testing recommendations which emerged from the TPPSG. The TPPSG asked for the following:

- a statewide pedagogy test be developed;
- current MTTC passing scores be revised;
- more frequent and online testing be provided;
- study guide materials be broadened to include online full-length practice tests; and
- the legislative cap on testing fees be lifted.

Requests within the MDE's purview continue to be implemented. Portions of the TPPSG's initiative will be difficult to implement without increased testing revenue, currently capped at levels approved over 20 years ago.

Financial Statement for the MTTC

In compliance with the MTTC legislation, PBT fees are \$50 for the PRE and \$75 for each content/subject area test. The fee for optional CBT is \$140 for the PRE and \$130 for each content/subject area test. From the number of PBT and CBT registrations, \$5 from each registration fee is allocated to the MDE to support the development and administration of the MTTC and \$1 is returned to the educator preparation institution where the teacher candidates receive guidance and advice concerning testing requirements. A summary of revenues and expenditures for 2013-2014 is included (Attachment 5). While the MDE receives fee-based revenue generally following each test administration, the reimbursement check is issued to all educator preparation institutions during the first week of June.

During the first year of CBT (2010-2011) the registration fee allocations payable to the MDE from the August and September CBT were added to the registration fee allocation payable after the October 2011 PBT administration. This pattern continues for each subsequent MTTC test administration in order to provide the testing contractor with time to score and report CBT to test takers, Michigan educator preparation institutions, and to the MDE, and to provide the MDE with annual summaries needed to construct the annual legislative report.

The contract with ES includes provisions for giving institutions fee waiver vouchers to cover the registration fee for one content/subject area test for test takers with financial need. The distribution of fee waiver vouchers to approved educator preparation institutions is based proportionately on the number of Pell Grants awarded to students at each institution. A summary for fee waiver vouchers given to each institution during 2013-2014 is provided (Attachment 6).

Questions concerning this report should be addressed to Mr. Phillip Chase at ChaseP2@michigan.gov; or Dr. Steven Stegink at SteginkS@michigan.gov.

**Michigan Test for Teacher Certification
Test Updating Schedule
Last Updated October 14, 2014**

| Tests | 1992-1993 | 1993-1994 | 1994-1995 | 1995-1996 | 1996-1997 | 1997-1998 | 1998-1999 | 1999-2000 | 2000-2001 | 2001-2002 |
|---|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|---------------------------------------|-------------------------------|
| Basic Skills Elementary Ed. Industrial Arts Reading Mathematics Science Language Arts | Objective/ Item Review | Field Testing | Begin Administration | | | | | | | |
| Social Studies History Biology Psychology | | Objective/ Item Review | Field Testing | Begin Administration | | | | | | |
| English Early Childhood Health Spanish | | | Objective/ Item Review | Field Testing | Begin Administration | | | | | |
| Physical Education Learning Disabled Chemistry Business Education Guidance Counselor | | | | Objective/ Item Review | Field Testing | Begin Administration | | | | |
| Emotionally Impaired Speech Geology/ Earth Science | | | | | Objective/ Item Review | Field Testing | Begin Administration | | | |
| Mentally Impaired Physics Library Media Middle Level | | | | | | Objective/ Item Review | Field Testing | Begin Administration | | |
| English as a Second Language Industrial Technology Technology and Design Social Studies | | | | | | | Objective/ Item Review | Field Testing | Begin Administration NS, IX, TX | Begin Administration RX |
| Mathematics (Sec.) Physical Education English Journalism Family and Consumer Sciences | | | | | | | | Objective/Item Review | Field Testing | Begin Administration |

**Michigan Test for Teacher Certification
Test Updating Schedule
Last Updated October 14, 2014**

| Tests | 2000 - 2001 | 2001 - 2002 | 2002 - 2003 | 2003 - 2004 | 2004 - 2005 | 2005 - 2006 | 2006 - 2007 | 2007 - 2008 |
|---|---------------------------|---------------------------|--|--|---|--|---|---|
| Language Arts Communication Arts Reading Reading Specialist Mathematics (Elem.) Computer Science | Objective/ Item Review | Field Testing | Begin Administration: AX, BX, BT, BR, NR (standard setting conference) | | | | | |
| Visual Arts Education Health Education Geography History | | Objective/ Item Review | Field Testing | Begin Administration: (except for Visual Arts) (standard setting conference) | | | | |
| Political Science Biology Integrated Science (Elem. & Sec.) | | | Objective/ Item Review | Field Testing | Begin Administration (+Visual Arts) (standard setting conference- new protocol) | | | |
| Chemistry Physics Earth/Space Science Economics Basic Skills-Writing | | | | Objective/ Item Review | Field Testing | Begin Administration (standard setting conference) | | |
| Physical Science Music Education Business, Management, Marketing, and Technology Marketing Education Dance | | | | | Objective/ Item Review | Field Testing | Begin Administration (standard setting conference) | |
| Cognitive Impairment Learning Disabilities World Languages – Spanish French Japanese | | | | | | Objective/ Item Review | Field Testing | Begin Administration (standard setting conference) |

**Michigan Test for Teacher Certification
Test Updating Schedule
Last Updated October 14, 2014**

| Tests | 2006 - 2007 | 2007 - 2008 | 2008 - 2009 | 2009 - 2010 | 2010 - 2011 | 2011 - 2012 | 2012 - 2013 | 2013 - 2014 |
|--|-----------------------|-----------------------|--|--|---|--|---|--|
| Emotional Impairment Autism Spectrum Disorder English as a Second Language World Languages – German Chinese (Mandarin) | Objective/Item Review | Field Testing | Begin Administration (standard setting conference) | | | | | |
| Physical or Other Health Impairment Bilingual Education World Languages – Russian Latin Arabic (Modern Standard) | | Objective/Item Review | Field Testing | Begin Administration (standard setting conference) | | | | |
| Speech Early Childhood-General and Special Education Elementary Education examination (new version) Basic Skills – Mathematics (prior to 2012-13) Professional Readiness Examination (PRE) (Mathematics) beginning 2012-13 | | | Objective/Item Review | Field Testing Item review: Elementary education examination (current form) Basic Skills Test | Begin Administration: Speech (standard setting conference) Computer-based testing and online practice test: Elementary Education Exam. and Basic Skills Test | Item review (cont.) Field Testing (cont.) | Begin Administration: Early Childhood-General and Special Education (standard setting conference) Computer-based testing and online practice test Early Childhood-General and Special Education | Begin Administration: Elementary Education Examination (new version) (standard setting conference) PRE Test - Math. (standard setting conference) Computer-based testing and online practice test: Elem. Ed. and PRE – math. |
| Economics Geography History Political Science Social Studies (Elem. & Sec.) Mathematics (Elem. & Sec.) | | | | Objective/Item Review (social studies areas only) | Objective/Item Review | Objective/Item Review (cont.) Field Testing: Computer-based testing and online practice test: Mathematics (elem. & sec.) | Field testing: (cont. six social studies fields) | Begin Administration: Six social studies fields (standard setting conference) Computer-based testing and online practice test: Social Studies (elem. & sec.) History |

**Michigan Test for Teacher Certification
Test Updating Schedule
Last Updated October 14, 2014**

| Tests | 2011 - 2012 | 2012 - 2013 | 2013 - 2014 | 2014 - 2015 | 2015 - 2016 | 2016 - 2017 | 2017 - 2018 | 2018 - 2019 |
|--|---|--|---|---|-------------|-------------|-------------|-------------|
| School Counselor History Social Studies (Elem. and Sec.) Economics Geography Political Science PRE-Writing | Objective/Item Review: School Counselor Basic Skills- writing Field Testing: (cont. Social Studies) | Field Testing School Counselor PRE-writing | Begin Administration: School Counselor PRE-writing (standard setting conference) Computer-based testing and online practice tests implemented: Social Studies (elem. & sec.) History PRE - writing | Computer-based testing and online practice test: School Counselor Economics Geography Political Science | | | | |
| Language Arts English Integrated Science (Elem.) | Objective/Item Review Field Testing | Computer-based testing and online practice tests implemented | | | | | | |
| Industrial Technology Education (postponed) Elementary Education examination (current version) Earth/Space Science | | Objective/Item Review Standard setting conference (by MDE request) Elementary Ed. examination Earth/Space Science | | | | | | |
| Learning Disabilities Cognitive Impairment Emotional Impairment Physical Education | | Item Review | Field Testing | Standard setting conferences: CI, EI, LD Computer-based testing and online practice tests implemented | | | | |

**Michigan Test for Teacher Certification
Test Updating Schedule
Last Updated October 14, 2014**

| Tests | 2014 - 2015 | 2015 - 2016 | 2016 - 2017 | 2017 - 2018 | 2018 - 2019 | 2019 - 2020 | 2020 - 2021 | 2021 - 2022 |
|---|---|---|---|---|-------------|-------------|-------------|-------------|
| Autism Spectrum Disorder | Item Review Standard Setting Conference | Computer-based testing and online practice test | | | | | | |
| PRE – Reading subtest | Objective/ Item Review | Field Testing Item Review | Begin Administration (standard setting conference) Computer-based testing and online practice test | | | | | |
| <i>Tentative</i> Reading Reading Specialist Speech Journalism | | Objective/Item Review | Field Testing | Begin Administration (standard setting conference) Computer-based testing and online practice test | | | | |

Future Test Development Possibilities Based on New Standards Approved or in Development:

| | |
|------------------------------------|---|
| Anishinaabemowin | Mathematics (elementary and secondary) |
| Agriscience and Natural Resources | Sciences: Biology, Chemistry, Earth/Space Science, Physical Science, Physics, Integrated Science (elementary and secondary) |
| Industrial and Technical Education | Special Education: Hearing Impairment, Visual Impairment |
| Library Media | Computer-based testing (CBT) and online practice test; Online practice test implementation: schedule to coincide with CBT |

Michigan Test for Teacher Certification Annual Cumulative Passing Percentages

Program Year August 2013 – July 2014



**Michigan Test for Teacher Certification
Annual Summary of State Results: Initial & Cumulative
Program Year: August 2013–July 2014**

These reports present Michigan Test for Teacher Certification (MTTC) passing rates for candidates who tested for the first time in the program year listed. The report includes first-time candidates in the program year who were deemed eligible by the institution verification process. The cumulative pass rates include passing attempts by these candidates at any subsequent administration. The notes below are an integral part of the reports.

Interpretative Notes and Cautions

Results reported for only a small number of candidates may not be indicative of how large numbers of candidates typically perform. Extreme caution should be used in interpreting data for small numbers (<100) of test takers.

Candidates whose data are presented in this document may not reflect the same performance as that of candidates who will take these tests in the future.

Key for Data Tables:

N = Number of eligible test takers who took an MTTC for the first time, any time during the program year.

N Pass, or (% Pass) = Number, or (Percentage), of eligible test takers who passed an MTTC.

Initial = First-time test takers who pass an MTTC on the first attempt, any time during the program year.

Cumulative = Total first-time test takers who pass an MTTC at any time during the program year, including those who eventually pass after one or more attempts, provided the first attempt occurred during the program year of the report. The cumulative pass percentage is used for comparison purposes among higher education institutions.

** = Pass percentages are not reported for institutions or test fields that currently have fewer than ten test takers recorded during a reporting interval.

Michigan Test for Teacher Certification
ANNUAL AGGREGATE PASSING PERCENTAGES:
Program Year: August 2013 - July 2014
Content Area Tests

KEY: N = Number of Eligible Test Takers

N Pass (% Pass) = Number (Percent) of Eligible Test Takers Who Passed the Test

NOTE: This table should be viewed with the accompanying descriptive information and interpretive cautions

| Michigan Preparation Institution | N | Initial | | Cumulative | |
|-----------------------------------|--------------|--------------|-------------|--------------|-------------|
| | | N Pass | % Pass | N Pass | % Pass |
| Adrian College | 39 | 27 | 69.2 | 33 | 84.6 |
| Albion College | 7 | ** | ** | ** | ** |
| Alma College | 56 | 37 | 66.1 | 44 | 78.6 |
| Andrews University | 24 | 22 | 91.7 | 23 | 95.8 |
| Aquinas College | 101 | 86 | 85.1 | 92 | 91.1 |
| Baker College | 108 | 55 | 50.9 | 60 | 55.6 |
| Calvin College | 148 | 119 | 80.4 | 130 | 87.8 |
| Central Michigan University | 522 | 359 | 68.8 | 400 | 76.6 |
| College for Creative Studies | 4 | ** | ** | ** | ** |
| Concordia University | 44 | 24 | 54.5 | 27 | 61.4 |
| Cornerstone University | 93 | 69 | 74.2 | 77 | 82.8 |
| Eastern Michigan University | 730 | 568 | 77.8 | 599 | 82.1 |
| Ferris State University | 159 | 115 | 72.3 | 122 | 76.7 |
| Grand Valley State University | 730 | 571 | 78.2 | 611 | 83.7 |
| Hope College | 164 | 140 | 85.4 | 146 | 89.0 |
| Lake Superior State University | 17 | 8 | 47.1 | 10 | 58.8 |
| Madonna University | 105 | 82 | 78.1 | 91 | 86.7 |
| Marygrove College | 8 | ** | ** | ** | ** |
| Michigan State University | 814 | 634 | 77.9 | 718 | 88.2 |
| Michigan Technological University | 17 | 15 | 88.2 | 16 | 94.1 |
| Northern Michigan University | 215 | 170 | 79.1 | 181 | 84.2 |
| Oakland University | 674 | 439 | 65.1 | 494 | 73.3 |
| Olivet College | 29 | 19 | 65.5 | 19 | 65.5 |
| Robert B. Miller College | 13 | 10 | 76.9 | 10 | 76.9 |
| Rochester College | 7 | ** | ** | ** | ** |
| Saginaw Valley State University | 330 | 248 | 75.2 | 267 | 80.9 |
| Siena Heights University | 34 | 23 | 67.6 | 26 | 76.5 |
| Spring Arbor University | 98 | 72 | 73.5 | 81 | 82.7 |
| University of Detroit Mercy | 18 | 14 | 77.8 | 14 | 77.8 |
| University of Michigan-Ann Arbor | 322 | 296 | 91.9 | 306 | 95.0 |
| University of Michigan-Dearborn | 153 | 101 | 66.0 | 120 | 78.4 |
| University of Michigan-Flint | 166 | 103 | 62.0 | 115 | 69.3 |
| Wayne State University | 498 | 321 | 64.5 | 350 | 70.3 |
| Western Michigan University | 698 | 461 | 66.0 | 506 | 72.5 |
| Statewide | 7,145 | 5,227 | 73.2 | 5,707 | 79.9 |

Michigan Test for Teacher Certification
Annual Summary of State Results: Initial and Cumulative
Program Year: August 2012 – July 2013

KEY: N = Number of Eligible Test Takers

N Pass (% Pass) = Number (Percent) of Eligible Test Takers Who Passed the Test

NOTE: This table should be viewed with the accompanying descriptive information and interpretive cautions

| MTTC Subject Area | N | Attempt Type | | | |
|---|-----|--------------|--------|------------|--------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 426 | 353 | 82.9 | 372 | 87.3 |
| 003 Journalism | 0 | ** | ** | ** | ** |
| 004 Speech | 47 | 46 | 97.9 | 46 | 97.9 |
| 005 Reading | 73 | 54 | 74.0 | 56 | 76.7 |
| 007 Economics | 10 | 6 | 60.0 | 6 | 60.0 |
| 008 Geography | 11 | 4 | 36.4 | 4 | 36.4 |
| 009 History | 315 | 161 | 51.1 | 196 | 62.2 |
| 010 Political Science | 43 | 15 | 34.9 | 18 | 41.9 |
| 011 Psychology | 99 | 77 | 77.8 | 80 | 80.8 |
| 012 Sociology | 5 | ** | ** | ** | ** |
| 017 Biology | 137 | 99 | 72.3 | 113 | 82.5 |
| 018 Chemistry | 89 | 59 | 66.3 | 69 | 77.5 |
| 019 Physics | 37 | 28 | 75.7 | 28 | 75.7 |
| 020 Earth/Space Science | 45 | 28 | 62.2 | 33 | 73.3 |
| 022 Mathematics (Secondary) | 260 | 238 | 91.5 | 247 | 95.0 |
| 023 French | 30 | 15 | 50.0 | 20 | 66.7 |
| 024 German | 12 | 8 | 66.7 | 10 | 83.3 |
| 026 Latin | 6 | ** | ** | ** | ** |
| 028 Spanish | 138 | 113 | 81.9 | 122 | 88.4 |
| 036 Marketing Education | 4 | ** | ** | ** | ** |
| 037 Agricultural Education | 1 | ** | ** | ** | ** |
| 040 Family and Consumer Sciences | 7 | ** | ** | ** | ** |
| 043 Health | 114 | 101 | 88.6 | 105 | 92.1 |
| 044 Physical Education | 140 | 104 | 74.3 | 114 | 81.4 |
| 046 Dance | 5 | ** | ** | ** | ** |
| 048 Library Media | 7 | ** | ** | ** | ** |
| 050 Computer Science | 7 | ** | ** | ** | ** |
| 051 Guidance Counselor | 94 | 85 | 90.4 | 86 | 91.5 |
| 053 Fine Arts | 6 | ** | ** | ** | ** |
| 056 Cognitive Impairment | 270 | 186 | 68.9 | 209 | 77.4 |
| 057 Speech and Language Impaired | 13 | 11 | 84.6 | 11 | 84.6 |
| 058 Physical or Other Health Impairment | 1 | ** | ** | ** | ** |
| 059 Emotional Impairment | 111 | 77 | 69.4 | 84 | 75.7 |
| 061 Visually Impaired | 3 | ** | ** | ** | ** |
| 062 Hearing Impaired | 3 | ** | ** | ** | ** |
| 063 Learning Disabilities | 254 | 219 | 86.2 | 231 | 90.9 |
| 064 Autism Spectrum Disorder | 125 | 112 | 89.6 | 114 | 91.2 |
| 075 Bilingual Education | 5 | ** | ** | ** | ** |
| 083 Elementary Education | 102 | 88 | 86.3 | 93 | 91.2 |
| 084 Social Studies | 319 | 220 | 69.0 | 255 | 79.9 |
| 085 Middle Level | 15 | 15 | 100.0 | 15 | 100.0 |

| MTTC Subject Area | N | Attempt Type | | | |
|---|--------------|--------------|-------------|--------------|-------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 086 English as a Second Language | 191 | 161 | 84.3 | 171 | 89.5 |
| 087 Industrial Technology | 4 | ** | ** | ** | ** |
| 088 Technology and Design | 1 | ** | ** | ** | ** |
| 089 Mathematics (Elementary) | 330 | 277 | 83.9 | 285 | 86.4 |
| 090 Language Arts | 604 | 418 | 69.2 | 466 | 77.2 |
| 091 Communication Arts | 2 | ** | ** | ** | ** |
| 092 Reading Specialist | 140 | 118 | 84.3 | 122 | 87.1 |
| 093 Integrated Science (Elementary) | 255 | 159 | 62.4 | 181 | 71.0 |
| 094 Integrated Science (Secondary) | 90 | 74 | 82.2 | 82 | 91.1 |
| 095 Visual Arts Education | 103 | 93 | 90.3 | 98 | 95.1 |
| 067 Physical Science | 1 | ** | ** | ** | ** |
| 098 Business, Management, Marketing and Technology | 9 | ** | ** | ** | ** |
| 099 Music | 197 | 190 | 96.4 | 194 | 98.5 |
| 100 Japanese | 2 | ** | ** | ** | ** |
| 101 Chinese | 20 | 16 | 80.0 | 16 | 80.0 |
| 102 Arabic | 3 | ** | ** | ** | ** |
| 103 Elementary Education | 1223 | 814 | 66.6 | 928 | 75.9 |
| 105 Social Studies (Elementary) | 210 | 83 | 39.5 | 97 | 46.2 |
| 106 Early Childhood-General and Special Education | 371 | 240 | 64.7 | 264 | 71.2 |
| All Tests (excluding Basic Skills) | 7,145 | 5,227 | 73.2 | 5,707 | 79.9 |

**Michigan Test for Teacher Certification
Annual Summary of State Results: Initial and Cumulative
Program Year: August 2013 – July 2014
Professional Readiness Examination**

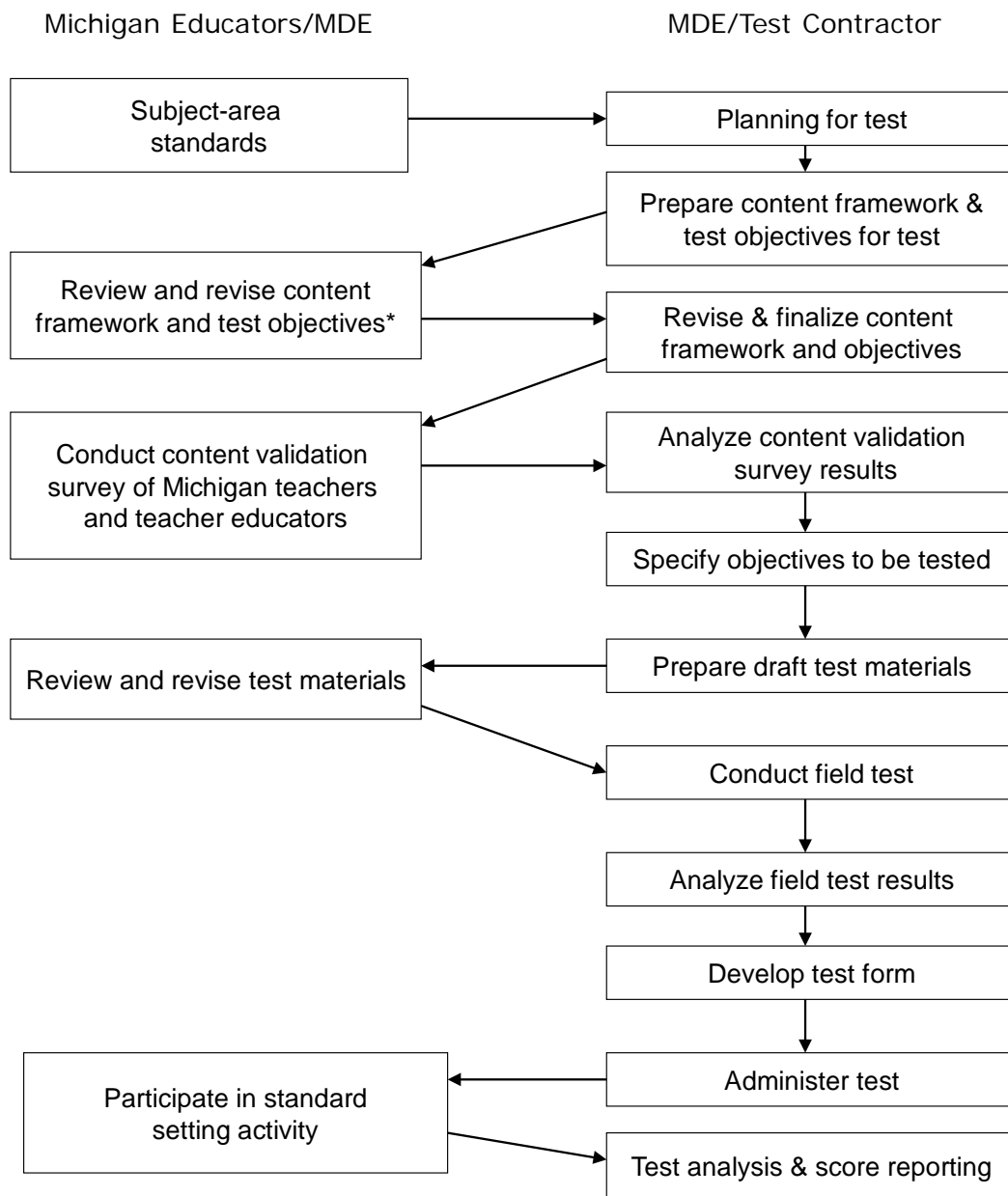
KEY: N = Number of Eligible Test Takers

N Pass (% Pass) = Number (Percent) of Eligible Test Takers Who Passed the Test

NOTE: This table should be viewed with the accompanying descriptive information and interpretive cautions

| Preparation Institution | Attempt Type | | | | | |
|----------------------------------|--------------|------------|-------------|--------------|--------------|-------------|
| | Initial | | | Cumulative | | |
| | N | N Pass | % Pass | N | N Pass | % Pass |
| Adrian College | 18 | 4 | 22.2 | 18 | 4 | 22.2 |
| Albion College | 10 | 3 | 30.0 | 10 | 3 | 30.0 |
| Alma College | 19 | 2 | 10.5 | 19 | 3 | 15.8 |
| Andrews University | 10 | 1 | 10.0 | 10 | 2 | 20.0 |
| Aquinas College | 59 | 17 | 28.8 | 59 | 21 | 35.6 |
| Baker College | 34 | 3 | 8.8 | 34 | 6 | 17.6 |
| Calvin College | 69 | 25 | 36.2 | 69 | 29 | 42.0 |
| Central Michigan University | 358 | 52 | 14.5 | 358 | 78 | 21.8 |
| College for Creative Studies | 6 | ** | ** | ** | ** | ** |
| Concordia University | 19 | 4 | 21.1 | 19 | 7 | 36.8 |
| Cornerstone University | 17 | 3 | 17.6 | 17 | 6 | 35.3 |
| Eastern Michigan University | 378 | 47 | 12.4 | 378 | 86 | 22.8 |
| Ferris State University | 58 | 4 | 6.9 | 58 | 10 | 17.2 |
| Grand Valley State University | 338 | 85 | 25.1 | 338 | 137 | 40.5 |
| Hope College | 99 | 32 | 32.3 | 99 | 43 | 43.4 |
| Lake Superior State University | 13 | 3 | 23.1 | 13 | 5 | 38.5 |
| Madonna University | 22 | 3 | 13.6 | 22 | 7 | 31.8 |
| Marygrove College | 9 | ** | ** | ** | ** | ** |
| Michigan State University | 500 | 130 | 26.0 | 500 | 206 | 41.2 |
| Michigan Tech. University | 11 | 5 | 45.5 | 11 | 6 | 54.5 |
| Northern Michigan University | 107 | 16 | 15.0 | 107 | 25 | 23.4 |
| Oakland University | 226 | 40 | 17.7 | 226 | 65 | 28.8 |
| Olivet College | 8 | ** | ** | ** | ** | ** |
| Robert B. Miller College | 1 | ** | ** | ** | ** | ** |
| Rochester College | 8 | ** | ** | ** | ** | ** |
| Saginaw Valley State University | 135 | 25 | 18.5 | 135 | 36 | 26.7 |
| Siena Heights University | 7 | ** | ** | ** | ** | ** |
| Spring Arbor University | 60 | 13 | 21.7 | 60 | 17 | 28.3 |
| University of Detroit Mercy | 9 | ** | ** | ** | ** | ** |
| University of Michigan-Ann Arbor | 134 | 76 | 56.7 | 134 | 95 | 70.9 |
| University of Michigan-Dearborn | 80 | 10 | 12.5 | 80 | 15 | 18.8 |
| University of Michigan-Flint | 60 | 8 | 13.3 | 60 | 11 | 18.3 |
| Wayne State University | 157 | 19 | 12.1 | 157 | 30 | 19.1 |
| Western Michigan University | 284 | 32 | 11.3 | 284 | 57 | 20.1 |
| Statewide | 3,323 | 667 | 20.1 | 3,323 | 1,015 | 30.5 |

Michigan Test for Teacher Certification Program: Test Updating and Development Process



*MDE curriculum specialists, the Bias Review Committee, and the Content Advisory Committees review test materials. These committees are created through recommendations from representative professional organizations and school and college personnel. The Teacher Examination Advisory Committee and Standing Technical Advisory Council provide policy recommendations for the Superintendent of Public Instruction.

NOTE: The above flowchart is a schematic of the typical process of test customization, which is adapted to the needs of each test field.

Michigan Test for Teacher Certification Program: Test Updating and Development Process

The Michigan Test for Teacher Certification (MTTC) results from a legislative mandate to assess the basic skills, i.e., professional readiness skills (in reading, mathematics, and writing) and content/subject area knowledge of candidates for teacher certification in Michigan. Candidates must demonstrate proficiency in the reading, mathematics, and writing before student teaching, and in the content/subject area field(s) for which they seek an endorsement before certification. The MTTC includes tests for more than 60 Michigan endorsements, administered in paper-based format at least four times annually at eleven or more sites across Michigan. The tests are administered in computer-based format across the state, the nation, and internationally at secure testing centers during the months paper-based tests are not available.

Program Design

The MTTC is designed to improve the quality of education in Michigan by helping to ensure the skills and knowledge of classroom teachers. Test materials are developed with the substantial participation of Michigan educators and are matched to Michigan standards, core curricula and other instructional materials used in the state. The Michigan Department of Education (MDE) supervises the test development process as well as administration, scoring, and reporting test results. Two legislatively mandated committees of Michigan educators, the Teacher Examination Advisory Committee and the Standing Technical Advisory Council, formulate policy recommendations for the State Superintendent.

One main goal of the development process is the creation of a job-related assessment in each endorsement field, one that measures the content knowledge required for a practitioner in a Michigan classroom. The focus throughout is on assessment that reflects Michigan curricula and involves Michigan educators throughout the development process. The validity of the tests is rooted in extensive committee reviews of materials and in a content validation survey of teachers and teacher educators in each field. Moreover, the tests' structure of explicit content objectives allows for focused preparation by examinees and for diagnostic test results to be reported to candidates, teacher preparation institutions, and the state.

Development Process

In the development process for each assessment instrument, Michigan educators have the ability to modify and focus the draft materials for the Michigan tests as they deem appropriate (within the general parameters of the testing program), beginning with the review of the content outline and objectives. The process is scheduled over a period of about two years from the beginning of work on the outline and objectives to the availability of test forms for actual test administration. The test development process is as follows:

- A test contractor develops a draft content outline (framework) and a set of associated objectives, prepared with close attention to Michigan standards, core curricula and other materials that reflect classroom practice and teacher preparation in Michigan and in consultation with MDE curriculum specialists.
- A Bias Review Committee of Michigan teachers and teacher educators (appointed by the MDE) reviews the outline and objectives and makes suggestions related to potential bias in the materials.

- A field-specific Content Advisory Committee of Michigan teachers and teacher educators (nominated by subject area and educational organizations or professionals) reviews the outline and objectives. The Committee has the discretion to change the content of the outline and objectives as members agree appropriate to reflect the knowledge needed by a beginning teacher and within the general parameters of the testing program. The Committee also considers comments made by the Bias Review Committee.

- The contractor formats the revised outline and objectives as a content validation survey form. The survey form is sent to a random, representative sample of up to 200 Michigan classroom teachers and up to 100 teacher educators in each field to gather professional judgments on the importance of each objective for teaching in that field in Michigan.

- The MDE reviews the results of the surveys and identifies the final set of objectives eligible for testing based on established criteria for validity.

- The contractor develops draft test items matched to the validated objectives incorporating suggestions from Michigan educators about question formats, content, etc., and including references to Michigan texts and other curriculum materials.

- A Bias Review Committee meets to review the test questions and to provide recommendations for changing test items that may be potentially biased.

- A Content Advisory Committee meets to review every test question in the new bank. The Committee applies its professional judgment in making revisions to individual questions. The Committee reviews questions for objective match, accuracy, freedom from potential bias, and appropriate level of difficulty, among other characteristics. The Committee also considers comments from the Bias Review Committee in its recommendations.

- The contractor prepares the revised test questions for field testing and gathers field test data from populations of Michigan teacher candidates in each field.

- The contractor prepares test forms from the bank of approved Michigan questions for actual test administration.

- The Michigan Department of Education, with recommendations from the Standing Technical Advisory Council, establishes the standard (passing score) for each test with input from Michigan educators.

**Michigan Test for Teacher Certification
Standard Setting Conference
October 21-23, 2013**

| Name | Affiliation | Field Subject |
|----------------------|-------------------------------------|----------------------|
| Committee Member 001 | Western High School | Economics |
| Committee Member 002 | Grand Valley State University | Economics |
| Committee Member 003 | Lakeview High School | Economics |
| Committee Member 004 | Golightly Career & Technical Center | Economics |
| Committee Member 005 | Reading High School | Economics |
| Committee Member 006 | Fayetteville State University | Economics |
| Committee Member 007 | East Middle School | Economics |
| Committee Member 008 | Marygrove College | Elementary Education |
| Committee Member 009 | Riley Elementary School | Elementary Education |
| Committee Member 010 | JKL Bawheting Anishnabe P.S.A. | Elementary Education |
| Committee Member 011 | University of Michigan Dearborn | Elementary Education |
| Committee Member 012 | University of Detroit Mercy | Elementary Education |
| Committee Member 013 | Lake Superior State University | Elementary Education |
| Committee Member 014 | Rutherford-Winans Academy | Elementary Education |
| Committee Member 015 | Rochester College | Elementary Education |
| Committee Member 016 | Riley Upper Elementary | Elementary Education |
| Committee Member 017 | Roosevelt Elementary School | Elementary Education |
| Committee Member 018 | New Beginnings Academy | Elementary Education |
| Committee Member 019 | Comstock Northeast Middle School | Geography |
| Committee Member 020 | Ferris State University | Geography |
| Committee Member 021 | Owosso High School | Geography |
| Committee Member 022 | Hope College | Geography |
| Committee Member 023 | Geography Department, CMU | Geography |
| Committee Member 024 | Central Michigan University | Geography |
| Committee Member 025 | Aquinas College | Geography |
| Committee Member 026 | Allen Park High School | Geography |
| Committee Member 027 | John Glenn High School | History |
| Committee Member 028 | Midland Public Schools | History |
| Committee Member 029 | Baker College | History |
| Committee Member 030 | Tawas Area Schools | History |
| Committee Member 031 | Grand Blanc High School | History |
| Committee Member 032 | Dept. of History, CMU | History |
| Committee Member 033 | Wylie E. Groves High School | History |
| Committee Member 034 | International Academy East | History |
| Committee Member 035 | Advanced Technology Academy | History |
| Committee Member 036 | Ionia High School | History |
| Committee Member 037 | Davis Aerospace High School | History |
| Committee Member 038 | Calvin College | History |
| Committee Member 039 | Portage Northern High School | History |
| Committee Member 040 | Davis Junior High | History |
| Committee Member 041 | Fowlerville High School | History |
| Committee Member 042 | Alma High School | History |
| Committee Member 043 | Marygrove College | History |
| Committee Member 044 | Hope College | Political Science |
| Committee Member 045 | West Catholic High School | Political Science |
| Committee Member 046 | Napoleon Community Schools | Political Science |

| Name | Affiliation | Field Subject |
|----------------------|---|------------------------------------|
| Committee Member 047 | Morley Stanwood Middle School | Political Science |
| Committee Member 048 | Roberto Clemente Student Development Center | Political Science |
| Committee Member 049 | Ferndale Middle School | Political Science |
| Committee Member 050 | Bullock Creek High School | Political Science |
| Committee Member 051 | Medicine & Comm. Health Academy | Political Science |
| Committee Member 052 | Bay City Central High | Political Science |
| Committee Member 053 | Mattawan Consolidated School | Political Science |
| Committee Member 054 | Northern Michigan University | Political Science |
| Committee Member 055 | Huron High School | Professional Readiness Examination |
| Committee Member 056 | Mt. Pleasant High School | Professional Readiness Examination |
| Committee Member 057 | Baldwin Heights Elementary | Professional Readiness Examination |
| Committee Member 058 | Northern Michigan University | Professional Readiness Examination |
| Committee Member 059 | Sault Area High School | Professional Readiness Examination |
| Committee Member 060 | Van Dyke Public | Professional Readiness Examination |
| Committee Member 061 | Krause Later Elementary | Professional Readiness Examination |
| Committee Member 062 | Musson Elementary School | Professional Readiness Examination |
| Committee Member 063 | Thurgood Marshall Elementary | Professional Readiness Examination |
| Committee Member 064 | Roseville Middle School | Professional Readiness Examination |
| Committee Member 065 | Grand Valley State University | Professional Readiness Examination |
| Committee Member 066 | Richard J. Duncan Elementary | Professional Readiness Examination |
| Committee Member 067 | University of Michigan | Professional Readiness Examination |
| Committee Member 068 | Calvin College | Professional Readiness Examination |
| Committee Member 069 | Jones Elementary | Professional Readiness Examination |
| Committee Member 070 | Spring Arbor University | Professional Readiness Examination |
| Committee Member 071 | Office of Literacy, Detroit P.S. | Professional Readiness Examination |
| Committee Member 072 | Brown School | Professional Readiness Examination |
| Committee Member 073 | The University of Detroit Mercy | School Counselor |
| Committee Member 074 | Grand Valley State University | School Counselor |
| Committee Member 075 | Van Buren ISD Technology Center | School Counselor |
| Committee Member 076 | Portage Central Middle School | School Counselor |
| Committee Member 077 | Lakeland High School | School Counselor |
| Committee Member 078 | Eastern Michigan University | School Counselor |
| Committee Member 079 | Clifford Smart MS/CMU | School Counselor |
| Name | Affiliation | Field Subject |

| | | |
|----------------------|--|-----------------------------|
| Committee Member 080 | Flint Community Schools | School Counselor |
| Committee Member 081 | Harrison Middle School | School Counselor |
| Committee Member 082 | Spring Arbor University | School Counselor |
| Committee Member 083 | Washtenaw International High School and Middle Academy | School Counselor |
| Committee Member 084 | Saginaw Township Schools | School Counselor |
| Committee Member 085 | Lawton High School | School Counselor |
| Committee Member 086 | Godwin Heights High School | School Counselor |
| Committee Member 087 | White Pine Middle School | School Counselor |
| Committee Member 088 | Northern Michigan University | Social Studies (Elementary) |
| Committee Member 089 | Bentley Community Schools | Social Studies (Elementary) |
| Committee Member 090 | Ottawa Area ISD | Social Studies (Elementary) |
| Committee Member 091 | Beck Centennial Elementary | Social Studies (Elementary) |
| Committee Member 092 | Hillsdale Elementary | Social Studies (Elementary) |
| Committee Member 093 | Wayne RESA | Social Studies (Elementary) |
| Committee Member 094 | Lenawee ISD | Social Studies (Elementary) |
| Committee Member 095 | Central Michigan University | Social Studies (Elementary) |
| Committee Member 096 | University of Michigan-Flint | Social Studies (Elementary) |
| Committee Member 097 | Michigan State University | Social Studies (Secondary) |
| Committee Member 098 | Baker College | Social Studies (Secondary) |
| Committee Member 099 | Michigan Collegiate | Social Studies (Secondary) |
| Committee Member 100 | Grand Valley State University | Social Studies (Secondary) |
| Committee Member 101 | Calvin College | Social Studies (Secondary) |
| Committee Member 102 | Utica High School | Social Studies (Secondary) |
| Committee Member 103 | Flint Northern High School | Social Studies (Secondary) |
| Committee Member 104 | UM-Flint, Arts and Sciences | Social Studies (Secondary) |
| Committee Member 105 | Muskegon Heights PSA | Social Studies (Secondary) |
| Committee Member 106 | Crossroads Charter Academy | Social Studies (Secondary) |
| Committee Member 107 | Central Academy | Social Studies (Secondary) |
| Committee Member 108 | Carman-Ainsworth High School | Social Studies (Secondary) |
| Committee Member 109 | Grand Blanc High School | Social Studies (Secondary) |
| Committee Member 110 | Central High School, Bay City | Social Studies (Secondary) |

**Michigan Test for Teacher Certification
Bias and Item Review Conference
November 18-22, 2013**

| Name | Affiliation | Field Subject |
|----------------------|--|---------------------------|
| Committee Member 001 | Oakland University | Bias Review |
| Committee Member 002 | Levey Middle School | Bias Review |
| Committee Member 003 | Bailey Lake Elementary | Bias Review |
| Committee Member 004 | Kent Education Center | Bias Review |
| Committee Member 005 | Saginaw Valley State University | Bias Review |
| Committee Member 006 | Utica Academy for International Studies | Bias Review |
| Committee Member 007 | Foreign Language Immersion and Cultural Studies School | Bias Review |
| Committee Member 008 | Wayne State University | Bias Review |
| Committee Member 009 | Saginaw Public Schools | Bias Review |
| Committee Member 010 | Western Michigan University | Bias Review |
| Committee Member 011 | Vandenberg Elementary | Bias Review |
| Committee Member 012 | Breithaupt C.T.C. | Bias Review |
| Committee Member 013 | Calvin College | Bias Review |
| Committee Member 014 | Lowell Area Schools | Cognitive Impairment |
| Committee Member 015 | Wayne State University | Cognitive Impairment |
| Committee Member 016 | Boyne City Public Schools | Cognitive Impairment |
| Committee Member 017 | Wayne State University | Cognitive Impairment |
| Committee Member 018 | Wayne State University | Cognitive Impairment |
| Committee Member 019 | Skyline High School | Cognitive Impairment |
| Committee Member 020 | Emerson Middle School | Cognitive Impairment |
| Committee Member 021 | Hancock Middle School | Cognitive Impairment |
| Committee Member 022 | Sturgis Public School | Cognitive Impairment |
| Committee Member 023 | Western Michigan University | Cognitive Impairment |
| Committee Member 024 | Livingston Educational Service Agency | Cognitive Impairment |
| Committee Member 025 | Spring Arbor University | Cognitive Impairment |
| Committee Member 026 | Tri County Middle School | Cognitive Impairment |
| Committee Member 027 | Central Michigan University | Cognitive Impairment |
| Committee Member 028 | Lincoln Middle School | Cognitive Impairment |
| Committee Member 029 | South Range Elementary | Early Childhood Education |
| Committee Member 030 | Forest View Elementary | Early Childhood Education |
| Committee Member 031 | Siena Heights University | Early Childhood Education |
| Committee Member 032 | Grand Rapids Public Schools | Early Childhood Education |
| Committee Member 033 | Brown Elementary | Early Childhood Education |
| Committee Member 034 | University of Michigan | Early Childhood Education |
| Committee Member 035 | Wayne State University | Early Childhood Education |
| Committee Member 036 | Schulze Elementary School | Early Childhood Education |
| Committee Member 037 | Centreville Public Schools | Early Childhood Education |
| Committee Member 038 | Linden Elementary | Early Childhood Education |
| Committee Member 039 | Central Michigan University | Early Childhood Education |
| Committee Member 040 | Sharon Hardy Elementary School | Early Childhood Education |
| Committee Member 041 | Mecosta Osceola ISD | Early Childhood Education |
| Committee Member 042 | Baker College of Flint | Early Childhood Education |
| Committee Member 043 | Hope College | Emotional Impairment |
| Committee Member 044 | Colon Elementary School | Emotional Impairment |
| Committee Member 045 | Whitmore-Bolles Elementary | Emotional Impairment |
| Committee Member 046 | Leslie Middle School | Emotional Impairment |
| Committee Member 047 | Tri County Area Schools | Emotional Impairment |
| Committee Member 048 | Godwin Heights High School | Emotional Impairment |
| Committee Member 049 | University of Detroit Mercy | Emotional Impairment |

| Name | Affiliation | Field Subject |
|----------------------|----------------------------------|-----------------------|
| Committee Member 050 | Ann Arbor Huron High School | Emotional Impairment |
| Committee Member 051 | Denby High School | Emotional Impairment |
| Committee Member 052 | Marshall Greene Middle School | Emotional Impairment |
| Committee Member 053 | Grand Rapids Public Schools | Emotional Impairment |
| Committee Member 054 | Central Michigan University | Emotional Impairment |
| Committee Member 055 | Western Michigan University | Emotional Impairment |
| Committee Member 056 | Clarkston High School | Emotional Impairment |
| Committee Member 057 | Shelby Public School | Emotional Impairment |
| Committee Member 058 | Spring Arbor University | Learning Disabilities |
| Committee Member 059 | Hedke Elementary | Learning Disabilities |
| Committee Member 060 | Hope College | Learning Disabilities |
| Committee Member 061 | UM-Dearborn; Yake Elementary | Learning Disabilities |
| Committee Member 062 | Eyler Elementary | Learning Disabilities |
| Committee Member 063 | Cornerstone University | Learning Disabilities |
| Committee Member 064 | Marquette Area Public Schools | Learning Disabilities |
| Committee Member 065 | Innovation Central | Learning Disabilities |
| Committee Member 066 | Merrill Community Schools | Learning Disabilities |
| Committee Member 067 | Michigan State University | Learning Disabilities |
| Committee Member 068 | Beecher High School | Learning Disabilities |
| Committee Member 069 | Madonna University | Learning Disabilities |
| Committee Member 070 | Niles Senior High School | Learning Disabilities |
| Committee Member 071 | Central Michigan University | Physical Education |
| Committee Member 072 | Aquinas College | Physical Education |
| Committee Member 073 | Western Michigan University | Physical Education |
| Committee Member 074 | Calvin College | Physical Education |
| Committee Member 075 | Elk Rapids Public Schools | Physical Education |
| Committee Member 076 | Portage Central Middle | Physical Education |
| Committee Member 077 | Lincoln High School | Physical Education |
| Committee Member 078 | Eastern Michigan University | Physical Education |
| Committee Member 079 | Washington Elementary | Physical Education |
| Committee Member 080 | Hope College | Physical Education |
| Committee Member 081 | West Middle School | Physical Education |
| Committee Member 082 | Boyne City MS/HS | Physical Education |
| Committee Member 083 | Hastings Middle School | Physical Education |
| Committee Member 084 | Hayes Elementary School | Physical Education |
| Committee Member 085 | Wayne State University | Physical Education |
| Committee Member 086 | University Prep Science and Math | Physical Education |
| Committee Member 087 | Godfrey Lee Public Schools | Physical Education |
| Committee Member 088 | Thomas Jefferson Elementary | Physical Education |
| Committee Member 089 | Eastern Michigan University | Physical Education |
| Committee Member 090 | Glenn Public School | Physical Education |
| Committee Member 091 | Monroe ISD Concordia University | Physical Education |

**Michigan Test for Teacher Certification
Accounting Summary*
Prepared September 2014**

| Receipts by Administration Date: PBT | Receipts by Administration Date: CBT | Number of Tests/Total \$ Amount | | Vouchers @ \$5.00 | | Refunds Authorized by MDE | | Net to MDE |
|---|---|---------------------------------------|------------------|----------------------|---------------|------------------------------|--------|------------------|
| Receipts | Receipts | # | Amount | # | Amount | # | Amount | Amount |
| | August 2013 | 959 | \$4,795 | | | | | \$28,580 |
| | September 2013 | 1,026 | \$5,130 | | | | | |
| October 2013 | | 2,810 | \$14,050 | 49** | -\$245 | | | |
| | November 2013 | 970 | \$4,850 | | | | | |
| | December 2013 | 878 | \$4,390 | | | | | \$29,600 |
| January 2014 | | 5,049 | \$25,245 | 7 | -\$35 | | | |
| | February 2014 | 978 | \$4,890 | | | | | \$37,235 |
| | March 2014 | 994 | \$4,970 | | | | | |
| April 2014 | | 5,516 | \$27,580 | 41 | -\$205 | | | |
| | May 2014 | 1,285 | \$6,425 | | | | | |
| | June 2014 | 1,285 | \$6,425 | | | | | \$36,235 |
| July 2014 | | 4,701 | \$23,505 | 24 | -\$120 | | | |
| Totals | | 26,451 | \$132,255 | 121 | -\$605 | | | \$131,650 |

* MDE Reimbursements are processed after scoring of each paper-based test administration. Reimbursement for computer-based testing are combined with the reimbursement from the most recent paper-based administration.

** Includes 11 vouchers returned following the close of the 2012-2013 program year accounting.

**Michigan Test for Teacher Certification
Fee Voucher Distribution
2013-2014**

| INSTITUTION | Number of Vouchers sent for 2013-2014 | Number of Vouchers used in 2013-2014 | Number of Vouchers to send for 2014-2015 |
|-----------------------------------|--|---|---|
| Adrian College | 2 | -- | 2 |
| Albion College | 3 | -- | 3 |
| Alma College | 3 | 3 | 3 |
| Andrews University | 2 | 1 | 2 |
| Aquinas College | 4 | 2 | 4 |
| Baker College | 3 | -- | 3 |
| Calvin College | 3 | 2 | 3 |
| Central Michigan University | 15 | 9 | 15 |
| College for Creative Studies | 3 | -- | 3 |
| Concordia University | 2 | 2 | 2 |
| Cornerstone University | 2 | 1 | 2 |
| Eastern Michigan University | 8 | -- | 8 |
| Ferris State University | 10 | 5 | 10 |
| Grand Valley State University | 6 | 6 | 6 |
| Hope College | 6 | 4 | 6 |
| Lake Superior State University | 3 | 3 | 3 |
| Madonna University | 3 | -- | 3 |
| Marygrove College | 4 | 2 | 4 |
| Michigan State University | 18 | 14 | 18 |
| Michigan Technological University | 4 | -- | 4 |
| Northern Michigan University | 5 | 5 | 5 |
| Oakland University | 8 | 7 | 8 |
| Olivet College | 2 | 1 | 2 |
| Robert B. Miller College | 2 | -- | 2 |
| Rochester College | 2 | 2 | 2 |
| Saginaw Valley State University | 7 | -- | 7 |
| Siena Heights University | 2 | -- | 2 |
| Spring Arbor University | 3 | 3 | 3 |
| University of Detroit Mercy | 5 | 1 | 5 |
| University of Michigan-Ann Arbor | 8 | 4 | 8 |
| University of Michigan-Dearborn | 5 | 2 | 5 |
| University of Michigan-Flint | 11 | 11 | 11 |
| Wayne State University | 13 | 11 | 13 |
| Western Michigan University | 14 | 9 | 13 |
| Michigan Department of Education | 10 | -- | 10 |
| Total | 201 | 110 | 200 |



STATE OF MICHIGAN
DEPARTMENT OF EDUCATION
LANSING

RICK SNYDER
GOVERNOR

MICHAEL P. FLANAGAN
STATE SUPERINTENDENT

December 17, 2013

MEMORANDUM

TO: State Board of Education

FROM: Mike Flanagan, Chairman

SUBJECT: Information on the Michigan Test for Teacher Certification Three-Year Cumulative Report for 2010-2013

The Michigan Test for Teacher Certification (MTTC) results reflect test taker performance in teacher preparation programs approved by the State Board of Education (SBE). The MTTC test results provide one indicator of teacher candidate preparation in SBE-approved teacher preparation programs. The SBE-approved standards for teacher preparation are consistent with the SBE-approved Grade Level Content Expectations and High School Content Expectations, and their alignment to the Common Core State Standards which indicates the MTTC test results also provide an indicator of teacher candidate preparation in content taught in Michigan elementary, middle, and high schools.

Certification testing must also be set in the context of the approved standards and expectations related to content tested on the MTTC. Since October 2001, institutions receive a roster of test candidates who have registered for each test in order to identify those candidates who have completed at least ninety percent of the content-area coursework. This process of verifying test takers allows an institution to authenticate test taker scores attributed to the institution. The verification process occurs before teacher candidates take MTTC tests and institutions know test results. The verification process is necessary because anyone can, in principle, register to take a test and identify any institution as the alma mater. The verification filter introduces a review process which allows the resulting test scores to be used as part of a broad accountability process.

The MTTC three-year results are used in the SBE-approved criteria to identify educator preparation institution performance scores. Establishing such criteria is a requirement of the Higher Education Act, Title II, Section 208(a).

STATE BOARD OF EDUCATION

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Attachment A identifies the aggregate content test pass percentage of each institution for the most recent three-year period of testing since the verification process was put into place. Table 1A shows the overall pass percentage for each institution. Table 2A shows the statewide pass percentage by content area. Table 3A shows the pass percentage by content area for each institution.

Attachment B shows a comparison between three-year cumulative reports for the periods 2010-2013, 2009-2012, and 2008-11. Table 1B shows the overall pass percentage for each institution. Table 2B shows the statewide pass percentage by content area. Table 3B shows the pass percentage by content area for each institution.

Report to the
Michigan State Board of Education

**Three-Year Cumulative Report
2010-2013**



Prepared by the
Office of Professional Preparation Services

November 8, 2013

Caution: The following tables should be viewed and used *only* with the Key for explaining Data Tables and with the Interpretative Notes and Cautions.

Key for Data Tables

| | | |
|---------------------|---|---|
| N | = | Number of eligible test takers who took a Michigan Test for Teacher Certification (MTTC) for the first time any time during the program years. |
| N Pass, or (% Pass) | = | Number, (or Percentage), of eligible test takers who passed an MTTC test. |
| Initial | = | Test takers who pass an MTTC on the first attempt, any time during the program years. |
| Cumulative | = | Total test takers who pass an MTTC at any time during the program years, including those who eventually pass after one or more attempts, provided the first time attempt occurred during the program years of the report. The cumulative pass percentage is used for comparison purposes among higher education institutions. |
| ** | = | Number or percentage passed is not reported when the number of eligible test takers who take an MTTC test for the first time any time during the program years is fewer than ten test takers. The performance of all candidates is included in the statewide summary results. |

Interpretative Notes and Cautions:

For cross-year content comparison, it should be noted that four to five tests are significantly redeveloped annually with new cut scores. These changes may increase or decrease the pass percentage for content areas with new tests.

An eligible test taker is a teacher candidate identified by an institution as such. This is also known as a verified test taker, or as a "barcoded" test taker.

Results reported for only a small number of test takers may not be a valid indicator of program strength.

Test takers whose data are presented in this document may not reflect the same performance as that of test takers who will take these tests in the future.

Table 1A

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Aggregate Content Area Results

| | N | Attempt Type | | | |
|-----------------------------------|---------------|---------------|-------------|---------------|-------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| Adrian College | 148 | 112 | 75.7 | 127 | 85.8 |
| Albion College | 127 | 99 | 78.0 | 120 | 94.5 |
| Alma College | 290 | 228 | 78.6 | 248 | 85.5 |
| Andrews University | 145 | 124 | 85.5 | 132 | 91.0 |
| Aquinas College | 471 | 391 | 83.0 | 435 | 92.4 |
| Baker College | 393 | 240 | 61.1 | 316 | 80.4 |
| Calvin College | 764 | 676 | 88.5 | 710 | 92.9 |
| Central Michigan University | 3,338 | 2,613 | 78.3 | 2,974 | 89.1 |
| College for Creative Studies | 28 | 26 | 92.9 | 26 | 92.9 |
| Concordia University | 130 | 99 | 76.2 | 107 | 82.3 |
| Cornerstone University | 372 | 305 | 82.0 | 338 | 90.9 |
| Eastern Michigan University | 3,595 | 2,854 | 79.4 | 3,191 | 88.8 |
| Ferris State University | 707 | 538 | 76.1 | 595 | 84.2 |
| Finlandia University | 21 | 17 | 81.0 | 17 | 81.0 |
| Grand Valley State University | 3,199 | 2,687 | 84.0 | 2,945 | 92.1 |
| Hillsdale College | 93 | 73 | 78.5 | 78 | 83.9 |
| Hope College | 649 | 563 | 86.7 | 615 | 94.8 |
| Lake Superior State University | 169 | 112 | 66.3 | 137 | 81.1 |
| Madonna University | 432 | 357 | 82.6 | 387 | 89.6 |
| Marygrove College | 48 | 23 | 47.9 | 34 | 70.8 |
| Michigan State University | 3,590 | 3,029 | 84.4 | 3,313 | 92.3 |
| Michigan Technological University | 71 | 59 | 83.1 | 68 | 95.8 |
| Northern Michigan University | 845 | 692 | 81.9 | 764 | 90.4 |
| Oakland University | 2,681 | 1,952 | 72.8 | 2,282 | 85.1 |
| Olivet College | 170 | 104 | 61.2 | 130 | 76.5 |
| Robert B. Miller College | 72 | 53 | 73.6 | 61 | 84.7 |
| Rochester College | 63 | 40 | 63.5 | 47 | 74.6 |
| Saginaw Valley State University | 1,484 | 1,151 | 77.6 | 1,283 | 86.5 |
| Siena Heights University | 142 | 98 | 69.0 | 118 | 83.1 |
| Spring Arbor University | 538 | 445 | 82.7 | 482 | 89.6 |
| University of Detroit Mercy | 101 | 73 | 72.3 | 81 | 80.2 |
| University of Michigan-Ann Arbor | 1,564 | 1,426 | 91.2 | 1,494 | 95.5 |
| University of Michigan-Dearborn | 668 | 490 | 73.4 | 568 | 85.0 |
| University of Michigan-Flint | 774 | 546 | 70.5 | 626 | 80.9 |
| Wayne State University | 1,789 | 1,289 | 72.1 | 1,512 | 84.5 |
| Western Michigan University | 3,157 | 2,350 | 74.4 | 2,621 | 83.0 |
| Statewide | 32,828 | 25,934 | 79.0 | 28,982 | 88.3 |

Table 2A

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Statewide Content Area Results

| Test | N | Attempt Type | | | |
|--------------------------------|-------|--------------|--------|------------|--------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 1,849 | 1,467 | 79.3 | 1,644 | 88.9 |
| 003 Journalism | 27 | 11 | 40.7 | 17 | 63.0 |
| 004 Speech | 220 | 215 | 97.7 | 218 | 99.1 |
| 005 Reading | 341 | 243 | 71.3 | 273 | 80.1 |
| 007 Economics | 62 | 32 | 51.6 | 42 | 67.7 |
| 008 Geography | 147 | 122 | 83.0 | 129 | 87.8 |
| 009 History | 1,503 | 1,129 | 75.1 | 1,276 | 84.9 |
| 010 Political Science | 227 | 167 | 73.6 | 190 | 83.7 |
| 011 Psychology | 337 | 246 | 73.0 | 289 | 85.8 |
| 012 Sociology | 46 | 33 | 71.7 | 40 | 87.0 |
| 013 Anthropology | 2 | ** | ** | ** | ** |
| 017 Biology | 484 | 335 | 69.2 | 408 | 84.3 |
| 018 Chemistry | 328 | 215 | 65.5 | 274 | 83.5 |
| 019 Physics | 189 | 145 | 76.7 | 172 | 91.0 |
| 020 Earth/Space Science | 159 | 74 | 46.5 | 115 | 72.3 |
| 022 Mathematics (Secondary) | 1,078 | 962 | 89.2 | 1,038 | 96.3 |
| 023 French | 115 | 60 | 52.2 | 78 | 67.8 |
| 024 German | 49 | 33 | 67.3 | 37 | 75.5 |
| 026 Latin | 17 | 13 | 76.5 | 17 | 100.0 |
| 027 Russian | 1 | ** | ** | ** | ** |
| 028 Spanish | 610 | 492 | 80.7 | 556 | 91.1 |
| 029 Italian | 2 | ** | ** | ** | ** |
| 032 Business Education | 5 | ** | ** | ** | ** |
| 036 Marketing Education | 23 | 20 | 87.0 | 21 | 91.3 |
| 037 Agricultural Education | 16 | 16 | 100.0 | 16 | 100.0 |
| 039 Music Education | 46 | 37 | 80.4 | 40 | 87.0 |
| 040 Family & Consumer Sciences | 41 | 25 | 61.0 | 34 | 82.9 |
| 043 Health | 452 | 380 | 84.1 | 421 | 93.1 |
| 044 Physical Education | 703 | 535 | 76.1 | 621 | 88.3 |
| 046 Dance | 26 | 25 | 96.2 | 26 | 100.0 |
| 048 Library Media | 46 | 37 | 80.4 | 41 | 89.1 |
| 049 Environmental Studies | 4 | ** | ** | ** | ** |
| 050 Computer Science | 42 | 37 | 88.1 | 39 | 92.9 |

(Continued)

| Test | N | Attempt Type | | | |
|---|---------------|---------------|-------------|---------------|-------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 051 Guidance Counselor | 404 | 298 | 73.8 | 351 | 86.9 |
| 053 Fine Arts | 70 | 48 | 68.6 | 49 | 70.0 |
| 056 Cognitive Impairment | 1,003 | 709 | 70.7 | 895 | 89.2 |
| 057 Speech & Language Impaired | 38 | 31 | 81.6 | 34 | 89.5 |
| 058 Physical or Other Health Impairment | 5 | ** | ** | ** | ** |
| 059 Emotional Impairment | 533 | 349 | 65.5 | 441 | 82.7 |
| 061 Visually Impaired | 13 | 5 | 38.5 | 11 | 84.6 |
| 062 Hearing Impaired | 42 | 38 | 90.5 | 40 | 95.2 |
| 063 Learning Disabilities | 1,066 | 931 | 87.3 | 1,018 | 95.5 |
| 064 Autism Spectrum Disorder | 416 | 376 | 90.4 | 399 | 95.9 |
| 075 Bilingual Education | 36 | 34 | 94.4 | 35 | 97.2 |
| 082 Early Childhood Education | 1,357 | 1,242 | 91.5 | 1,312 | 96.7 |
| 083 Elementary Education | 7,592 | 6,835 | 90.0 | 7,291 | 96.0 |
| 084 Social Studies | 2,558 | 1,605 | 62.7 | 1,901 | 74.3 |
| 085 Middle Level | 76 | 71 | 93.4 | 75 | 98.7 |
| 086 English as a Second Lang. | 538 | 437 | 81.2 | 484 | 90.0 |
| 087 Industrial Technology | 42 | 38 | 90.5 | 39 | 92.9 |
| 088 Technology and Design | 7 | ** | ** | ** | ** |
| 089 Mathematics (Elementary) | 1,510 | 1,209 | 80.1 | 1,318 | 87.3 |
| 090 Language Arts | 2,717 | 1,797 | 66.1 | 2,149 | 79.1 |
| 091 Communication Arts | 20 | 9 | 45.0 | 10 | 50.0 |
| 092 Reading Specialist | 447 | 398 | 89.0 | 414 | 92.6 |
| 093 Integrated Science (Elem.) | 1,243 | 757 | 60.9 | 885 | 71.2 |
| 094 Integrated Science (Sec.) | 325 | 226 | 69.5 | 282 | 86.8 |
| 095 Visual Arts Education | 380 | 336 | 88.4 | 361 | 95.0 |
| 097 Physical Science | 11 | 6 | 54.5 | 8 | 72.7 |
| 098 Business, Management, Marketing and Technology | 107 | 75 | 70.1 | 92 | 86.0 |
| 099 Music | 523 | 503 | 96.2 | 518 | 99.0 |
| 100 Japanese | 16 | 15 | 93.8 | 15 | 93.8 |
| 101 Chinese | 78 | 72 | 92.3 | 74 | 94.9 |
| 102 Arabic | 27 | 23 | 85.2 | 24 | 88.9 |
| 106 Early Childhood Education (ECE)-General & Special Ed. | 431 | 333 | 77.3 | 362 | 84.0 |
| All Tests (excluding Basic Skills) | 32,828 | 25,934 | 79.0 | 28,982 | 88.3 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| Adrian College | N | Attempt Type | | | |
|---|------------|---------------------|---------------|-------------------|---------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 10 | 10 | 100.0 | 10 | 100.0 |
| 004 Speech | 2 | ** | ** | ** | ** |
| 007 Economics | 1 | ** | ** | ** | ** |
| 009 History | 2 | ** | ** | ** | ** |
| 011 Psychology | 1 | ** | ** | ** | ** |
| 017 Biology | 1 | ** | ** | ** | ** |
| 020 Earth/Space Science | 4 | ** | ** | ** | ** |
| 022 Mathematics (Sec.) | 11 | 10 | 90.9 | 10 | 90.9 |
| 023 French | 1 | ** | ** | ** | ** |
| 028 Spanish | 5 | ** | ** | ** | ** |
| 039 Music Education | 3 | ** | ** | ** | ** |
| 043 Health | 6 | ** | ** | ** | ** |
| 044 Physical Education | 18 | 15 | 83.3 | 16 | 88.9 |
| 053 Fine Arts | 1 | ** | ** | ** | ** |
| 082 Early Childhood Education | 3 | ** | ** | ** | ** |
| 083 Elementary Education | 40 | 35 | 87.5 | 37 | 92.5 |
| 084 Social Studies | 11 | 7 | 63.6 | 9 | 81.8 |
| 089 Mathematics (Elem.) | 2 | ** | ** | ** | ** |
| 090 Language Arts | 4 | ** | ** | ** | ** |
| 091 Communication Arts | 4 | ** | ** | ** | ** |
| 093 Integrated Science (Elem.) | 1 | ** | ** | ** | ** |
| 094 Integrated Science (Sec.) | 1 | ** | ** | ** | ** |
| 095 Visual Arts Education | 5 | ** | ** | ** | ** |
| 098 Business, Management, Marketing & Technology | 1 | ** | ** | ** | ** |
| 099 Music | 9 | ** | ** | ** | ** |
| 106 ECE-General & Special Ed. | 1 | ** | ** | ** | ** |
| Total | 148 | 112 | 75.7 | 127 | 85.8 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| Albion College | N | Attempt Type | | | |
|--------------------------------|------------|---------------------|---------------|-------------------|---------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 19 | 13 | 68.4 | 17 | 89.5 |
| 009 History | 16 | 10 | 62.5 | 14 | 87.5 |
| 010 Political Science | 3 | ** | ** | ** | ** |
| 011 Psychology | 9 | ** | ** | ** | ** |
| 017 Biology | 5 | ** | ** | ** | ** |
| 018 Chemistry | 1 | ** | ** | ** | ** |
| 020 Earth/Space Science | 2 | ** | ** | ** | ** |
| 022 Mathematics (Sec.) | 7 | ** | ** | ** | ** |
| 023 French | 3 | ** | ** | ** | ** |
| 028 Spanish | 7 | ** | ** | ** | ** |
| 043 Health | 13 | 9 | 69.2 | 13 | 100.0 |
| 044 Physical Education | 14 | 12 | 85.7 | 14 | 100.0 |
| 083 Elementary Education | 18 | 18 | 100.0 | 18 | 100.0 |
| 084 Social Studies | 3 | ** | ** | ** | ** |
| 093 Integrated Science (Elem.) | 2 | ** | ** | ** | ** |
| 099 Music | 5 | ** | ** | ** | ** |
| Total | 127 | 99 | 78.0 | 120 | 94.5 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| Alma College | N | Attempt Type | | | |
|---|------------|---------------------|---------------|-------------------|---------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 15 | 14 | 93.3 | 15 | 100.0 |
| 009 History | 26 | 18 | 69.2 | 20 | 76.9 |
| 010 Political Science | 3 | ** | ** | ** | ** |
| 017 Biology | 3 | ** | ** | ** | ** |
| 018 Chemistry | 4 | ** | ** | ** | ** |
| 019 Physics | 2 | ** | ** | ** | ** |
| 022 Mathematics (Sec.) | 14 | 14 | 100.0 | 14 | 100.0 |
| 024 German | 1 | ** | ** | ** | ** |
| 028 Spanish | 11 | 7 | 63.6 | 8 | 72.7 |
| 039 Music Education | 1 | ** | ** | ** | ** |
| 044 Physical Education | 1 | ** | ** | ** | ** |
| 082 Early Childhood Education | 33 | 31 | 93.9 | 33 | 100.0 |
| 083 Elementary Education | 59 | 56 | 94.9 | 57 | 96.6 |
| 084 Social Studies | 24 | 12 | 50.0 | 16 | 66.7 |
| 089 Mathematics (Elem.) | 20 | 18 | 90.0 | 18 | 90.0 |
| 090 Language Arts | 28 | 21 | 75.0 | 24 | 85.7 |
| 093 Integrated Science (Elem.) | 14 | 4 | 28.6 | 5 | 35.7 |
| 095 Visual Arts Education | 3 | ** | ** | ** | ** |
| 098 Business, Management, Marketing and Technology | 1 | ** | ** | ** | ** |
| 099 Music | 23 | 21 | 91.3 | 23 | 100.0 |
| 106 ECE-General & Special Ed. | 4 | ** | ** | ** | ** |
| Total | 290 | 228 | 78.6 | 248 | 85.5 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| Andrews University | N | Attempt Type | | | |
|--------------------------------|------------|---------------------|---------------|-------------------|---------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 12 | 9 | 75.0 | 11 | 91.7 |
| 005 Reading | 1 | ** | ** | ** | ** |
| 009 History | 5 | ** | ** | ** | ** |
| 010 Political Science | 1 | ** | ** | ** | ** |
| 017 Biology | 3 | ** | ** | ** | ** |
| 019 Physics | 2 | ** | ** | ** | ** |
| 022 Mathematics (Sec.) | 6 | ** | ** | ** | ** |
| 028 Spanish | 10 | 9 | 90.0 | 9 | 90.0 |
| 039 Music Education | 1 | ** | ** | ** | ** |
| 050 Computer Science | 1 | ** | ** | ** | ** |
| 051 Guidance Counselor | 11 | 9 | 81.8 | 10 | 90.9 |
| 053 Fine Arts | 1 | ** | ** | ** | ** |
| 063 Learning Disabilities | 6 | ** | ** | ** | ** |
| 083 Elementary Education | 29 | 28 | 96.6 | 29 | 100.0 |
| 084 Social Studies | 12 | 9 | 75.0 | 9 | 75.0 |
| 086 English as a Second Lang. | 9 | ** | ** | ** | ** |
| 089 Mathematics (Elem.) | 5 | ** | ** | ** | ** |
| 090 Language Arts | 13 | 10 | 76.9 | 11 | 84.6 |
| 091 Communication Arts | 2 | ** | ** | ** | ** |
| 093 Integrated Science (Elem.) | 3 | ** | ** | ** | ** |
| 094 Integrated Science (Sec.) | 3 | ** | ** | ** | ** |
| 095 Visual Arts Education | 4 | ** | ** | ** | ** |
| 099 Music | 5 | ** | ** | ** | ** |
| Total | 145 | 124 | 85.5 | 132 | 91.0 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| Aquinas College | N | Attempt Type | | | |
|--------------------------------|------------|---------------------|---------------|-------------------|---------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 31 | 24 | 77.4 | 30 | 96.8 |
| 004 Speech | 13 | 12 | 92.3 | 13 | 100.0 |
| 005 Reading | 6 | ** | ** | ** | ** |
| 008 Geography | 2 | ** | ** | ** | ** |
| 009 History | 19 | 17 | 89.5 | 18 | 94.7 |
| 010 Political Science | 3 | ** | ** | ** | ** |
| 017 Biology | 8 | ** | ** | ** | ** |
| 018 Chemistry | 4 | ** | ** | ** | ** |
| 022 Mathematics (Sec.) | 14 | 9 | 64.3 | 14 | 100.0 |
| 023 French | 2 | ** | ** | ** | ** |
| 028 Spanish | 13 | 10 | 76.9 | 13 | 100.0 |
| 044 Physical Education | 12 | 8 | 66.7 | 12 | 100.0 |
| 050 Computer Science | 2 | ** | ** | ** | ** |
| 063 Learning Disabilities | 48 | 41 | 85.4 | 44 | 91.7 |
| 075 Bilingual Education | 9 | ** | ** | ** | ** |
| 082 Early Childhood Education | 40 | 37 | 92.5 | 38 | 95.0 |
| 083 Elementary Education | 86 | 80 | 93.0 | 83 | 96.5 |
| 084 Social Studies | 30 | 22 | 73.3 | 25 | 83.3 |
| 086 English as a Second Lang. | 41 | 35 | 85.4 | 39 | 95.1 |
| 089 Mathematics (Elem.) | 10 | 9 | 90.0 | 9 | 90.0 |
| 090 Language Arts | 56 | 40 | 71.4 | 46 | 82.1 |
| 092 Reading Specialist | 2 | ** | ** | ** | ** |
| 093 Integrated Science (Elem.) | 7 | ** | ** | ** | ** |
| 095 Visual Arts Education | 6 | ** | ** | ** | ** |
| 099 Music | 5 | ** | ** | ** | ** |
| 106 ECE-General & Special Ed. | 3 | ** | ** | ** | ** |
| Total | 471 | 391 | 83.0 | 435 | 92.4 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| Baker College | N | Attempt Type | | | |
|-------------------------------|------------|---------------------|---------------|-------------------|---------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 37 | 16 | 43.2 | 27 | 73.0 |
| 009 History | 9 | ** | ** | ** | ** |
| 017 Biology | 4 | ** | ** | ** | ** |
| 018 Chemistry | 4 | ** | ** | ** | ** |
| 022 Mathematics (Sec.) | 15 | 6 | 40.0 | 10 | 66.7 |
| 050 Computer Science | 1 | ** | ** | ** | ** |
| 082 Early Childhood Education | 40 | 34 | 85.0 | 37 | 92.5 |
| 083 Elementary Education | 128 | 104 | 81.3 | 114 | 89.1 |
| 084 Social Studies | 64 | 31 | 48.4 | 46 | 71.9 |
| 089 Mathematics (Elem.) | 25 | 16 | 64.0 | 22 | 88.0 |
| 090 Language Arts | 55 | 17 | 30.9 | 38 | 69.1 |
| 106 ECE-General & Special Ed. | 11 | 8 | 72.7 | 8 | 72.7 |
| Total | 393 | 240 | 61.1 | 316 | 80.4 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| Calvin College | N | Attempt Type | | | |
|--------------------------------|------------|---------------------|---------------|-------------------|---------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 48 | 47 | 97.9 | 48 | 100.0 |
| 004 Speech | 8 | ** | ** | ** | ** |
| 007 Economics | 2 | ** | ** | ** | ** |
| 008 Geography | 6 | ** | ** | ** | ** |
| 009 History | 29 | 27 | 93.1 | 28 | 96.6 |
| 010 Political Science | 2 | ** | ** | ** | ** |
| 011 Psychology | 6 | ** | ** | ** | ** |
| 017 Biology | 8 | ** | ** | ** | ** |
| 018 Chemistry | 4 | ** | ** | ** | ** |
| 019 Physics | 4 | ** | ** | ** | ** |
| 020 Earth/Space Science | 3 | ** | ** | ** | ** |
| 022 Mathematics (Sec.) | 20 | 20 | 100.0 | 20 | 100.0 |
| 023 French | 10 | 6 | 60.0 | 6 | 60.0 |
| 024 German | 1 | ** | ** | ** | ** |
| 026 Latin | 2 | ** | ** | ** | ** |
| 028 Spanish | 54 | 52 | 96.3 | 52 | 96.3 |
| 043 Health | 25 | 23 | 92.0 | 24 | 96.0 |
| 044 Physical Education | 19 | 16 | 84.2 | 17 | 89.5 |
| 050 Computer Science | 2 | ** | ** | ** | ** |
| 053 Fine Arts | 7 | ** | ** | ** | ** |
| 056 Cognitive Impairment | 38 | 24 | 63.2 | 35 | 92.1 |
| 063 Learning Disabilities | 6 | ** | ** | ** | ** |
| 075 Bilingual Education | 5 | ** | ** | ** | ** |
| 082 Early Childhood Education | 9 | 9 | 100.0 | 9 | 100.0 |
| 083 Elementary Education | 198 | 189 | 95.5 | 193 | 97.5 |
| 084 Social Studies | 35 | 27 | 77.1 | 30 | 85.7 |
| 086 English as a Second Lang. | 26 | 23 | 88.5 | 23 | 88.5 |
| 089 Mathematics (Elem.) | 45 | 42 | 93.3 | 42 | 93.3 |
| 090 Language Arts | 45 | 37 | 82.2 | 39 | 86.7 |
| 093 Integrated Science (Elem.) | 57 | 40 | 70.2 | 46 | 80.7 |
| 094 Integrated Science (Sec.) | 12 | 8 | 66.7 | 8 | 66.7 |
| 095 Visual Arts Education | 9 | ** | ** | ** | ** |
| 099 Music | 12 | 12 | 100.0 | 12 | 100.0 |
| 106 ECE-General & Special Ed. | 7 | ** | ** | ** | ** |
| Total | 764 | 676 | 88.5 | 710 | 92.9 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| Central Michigan University | N | Attempt Type | | | |
|------------------------------------|----------|---------------------|---------------|-------------------|---------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 142 | 108 | 76.1 | 122 | 85.9 |
| 004 Speech | 42 | 41 | 97.6 | 42 | 100.0 |
| 005 Reading | 141 | 96 | 68.1 | 108 | 76.6 |
| 008 Geography | 28 | 20 | 71.4 | 23 | 82.1 |
| 009 History | 191 | 151 | 79.1 | 170 | 89.0 |
| 017 Biology | 27 | 16 | 59.3 | 19 | 70.4 |
| 018 Chemistry | 8 | ** | ** | ** | ** |
| 019 Physics | 5 | ** | ** | ** | ** |
| 020 Earth/Space Science | 12 | 3 | 25.0 | 5 | 41.7 |
| 022 Mathematics (Sec.) | 70 | 63 | 90.0 | 69 | 98.6 |
| 023 French | 7 | ** | ** | ** | ** |
| 024 German | 2 | ** | ** | ** | ** |
| 028 Spanish | 18 | 18 | 100.0 | 18 | 100.0 |
| 039 Music Education | 4 | ** | ** | ** | ** |
| 040 Family & Consumer Sciences | 16 | 9 | 56.3 | 13 | 81.3 |
| 043 Health | 75 | 57 | 76.0 | 68 | 90.7 |
| 044 Physical Education | 97 | 71 | 73.2 | 85 | 87.6 |
| 046 Dance | 3 | ** | ** | ** | ** |
| 051 Guidance Counselor | 49 | 39 | 79.6 | 45 | 91.8 |
| 056 Cognitive Impairment | 180 | 124 | 68.9 | 159 | 88.3 |
| 059 Emotional Impairment | 44 | 27 | 61.4 | 38 | 86.4 |
| 064 Autism Spectrum Disorder | 3 | ** | ** | ** | ** |
| 075 Bilingual Education | 1 | ** | ** | ** | ** |
| 082 Early Childhood Education | 292 | 256 | 87.7 | 280 | 95.9 |
| 083 Elementary Education | 794 | 719 | 90.6 | 772 | 97.2 |
| 084 Social Studies | 127 | 92 | 72.4 | 106 | 83.5 |
| 085 Middle Level | 73 | 68 | 93.2 | 72 | 98.6 |
| 086 English as a Second Lang. | 12 | 11 | 91.7 | 12 | 100.0 |
| 087 Industrial Technology | 13 | 12 | 92.3 | 12 | 92.3 |
| 089 Mathematics (Elem.) | 134 | 106 | 79.1 | 121 | 90.3 |
| 090 Language Arts | 328 | 203 | 61.9 | 258 | 78.7 |
| 092 Reading Specialist | 21 | 19 | 90.5 | 20 | 95.2 |
| 093 Integrated Science (Elem.) | 194 | 110 | 56.7 | 135 | 69.6 |
| 094 Integrated Science (Sec.) | 62 | 37 | 59.7 | 51 | 82.3 |
| 095 Visual Arts Education | 34 | 29 | 85.3 | 34 | 100.0 |

(Continued)

| Central Michigan University | N | Attempt Type | | | |
|---|--------------|--------------|-------------|--------------|-------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 098 Business, Management, Marketing and Technology | 12 | 7 | 58.3 | 11 | 91.7 |
| 099 Music | 73 | 71 | 97.3 | 73 | 100.0 |
| 106 ECE-General & Special Ed. | 4 | ** | ** | ** | ** |
| Total | 3,338 | 2,613 | 78.3 | 2,974 | 89.1 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| College for Creative Studies | N | Attempt Type | | | |
|-------------------------------------|-----------|---------------------|---------------|-------------------|---------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 095 Visual Arts Education | 28 | 26 | 92.9 | 26 | 92.9 |
| Total | 28 | 26 | 92.9 | 26 | 92.9 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| Concordia University | N | Attempt Type | | | |
|--------------------------------|------------|---------------------|---------------|-------------------|---------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 16 | 11 | 68.8 | 13 | 81.3 |
| 004 Speech | 6 | ** | ** | ** | ** |
| 009 History | 11 | 9 | 81.8 | 9 | 81.8 |
| 011 Psychology | 5 | ** | ** | ** | ** |
| 017 Biology | 2 | ** | ** | ** | ** |
| 022 Mathematics (Sec.) | 9 | ** | ** | ** | ** |
| 028 Spanish | 1 | ** | ** | ** | ** |
| 039 Music Education | 1 | ** | ** | ** | ** |
| 044 Physical Education | 10 | 7 | 70.0 | 9 | 90.0 |
| 082 Early Childhood Education | 7 | ** | ** | ** | ** |
| 083 Elementary Education | 20 | 19 | 95.0 | 19 | 95.0 |
| 084 Social Studies | 10 | 9 | 90.0 | 9 | 90.0 |
| 089 Mathematics (Elem.) | 3 | ** | ** | ** | ** |
| 090 Language Arts | 10 | 7 | 70.0 | 9 | 90.0 |
| 091 Communication Arts | 2 | ** | ** | ** | ** |
| 093 Integrated Science (Elem.) | 3 | ** | ** | ** | ** |
| 095 Visual Arts Education | 5 | ** | ** | ** | ** |
| 099 Music | 5 | ** | ** | ** | ** |
| 106 ECE-General & Special Ed. | 4 | ** | ** | ** | ** |
| Total | 130 | 99 | 76.2 | 107 | 82.3 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| Cornerstone University | N | Attempt Type | | | |
|--------------------------------|------------|---------------------|---------------|-------------------|---------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 27 | 20 | 74.1 | 23 | 85.2 |
| 005 Reading | 22 | 16 | 72.7 | 19 | 86.4 |
| 009 History | 17 | 11 | 64.7 | 13 | 76.5 |
| 011 Psychology | 4 | ** | ** | ** | ** |
| 017 Biology | 3 | ** | ** | ** | ** |
| 018 Chemistry | 6 | ** | ** | ** | ** |
| 022 Mathematics (Sec.) | 8 | ** | ** | ** | ** |
| 028 Spanish | 4 | ** | ** | ** | ** |
| 039 Music Education | 2 | ** | ** | ** | ** |
| 043 Health | 1 | ** | ** | ** | ** |
| 044 Physical Education | 10 | 6 | 60.0 | 9 | 90.0 |
| 053 Fine Arts | 1 | ** | ** | ** | ** |
| 063 Learning Disabilities | 25 | 23 | 92.0 | 25 | 100.0 |
| 064 Autism Spectrum Disorder | 1 | ** | ** | ** | ** |
| 082 Early Childhood Education | 13 | 13 | 100.0 | 13 | 100.0 |
| 083 Elementary Education | 95 | 87 | 91.6 | 90 | 94.7 |
| 084 Social Studies | 9 | ** | ** | ** | ** |
| 086 English as a Second Lang. | 49 | 41 | 83.7 | 45 | 91.8 |
| 089 Mathematics (Elem.) | 11 | 11 | 100.0 | 11 | 100.0 |
| 090 Language Arts | 35 | 27 | 77.1 | 30 | 85.7 |
| 091 Communication Arts | 2 | ** | ** | ** | ** |
| 093 Integrated Science (Elem.) | 7 | ** | ** | ** | ** |
| 094 Integrated Science (Sec.) | 12 | 6 | 50.0 | 9 | 75.0 |
| 099 Music | 8 | ** | ** | ** | ** |
| Total | 372 | 305 | 82.0 | 338 | 90.9 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| Eastern Michigan University | N | Attempt Type | | | |
|---|----------|---------------------|---------------|-------------------|---------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 159 | 124 | 78.0 | 146 | 91.8 |
| 004 Speech | 33 | 33 | 100.0 | 33 | 100.0 |
| 005 Reading | 134 | 94 | 70.1 | 107 | 79.9 |
| 007 Economics | 7 | ** | ** | ** | ** |
| 008 Geography | 26 | 23 | 88.5 | 24 | 92.3 |
| 009 History | 202 | 154 | 76.2 | 165 | 81.7 |
| 010 Political Science | 19 | 11 | 57.9 | 16 | 84.2 |
| 011 Psychology | 40 | 22 | 55.0 | 32 | 80.0 |
| 017 Biology | 50 | 34 | 68.0 | 44 | 88.0 |
| 018 Chemistry | 39 | 23 | 59.0 | 34 | 87.2 |
| 019 Physics | 24 | 18 | 75.0 | 22 | 91.7 |
| 020 Earth/Space Science | 24 | 8 | 33.3 | 14 | 58.3 |
| 022 Mathematics (Sec.) | 138 | 113 | 81.9 | 131 | 94.9 |
| 023 French | 5 | ** | ** | ** | ** |
| 024 German | 4 | ** | ** | ** | ** |
| 028 Spanish | 20 | 18 | 90.0 | 19 | 95.0 |
| 039 Music Education | 3 | ** | ** | ** | ** |
| 043 Health | 86 | 71 | 82.6 | 78 | 90.7 |
| 044 Physical Education | 99 | 79 | 79.8 | 89 | 89.9 |
| 050 Computer Science | 9 | ** | ** | ** | ** |
| 051 Guidance Counselor | 32 | 24 | 75.0 | 29 | 90.6 |
| 053 Fine Arts | 1 | ** | ** | ** | ** |
| 056 Cognitive Impairment | 264 | 192 | 72.7 | 237 | 89.8 |
| 057 Speech & Language Impaired | 19 | 16 | 84.2 | 17 | 89.5 |
| 058 Physical or Other Health Impairment | 5 | ** | ** | ** | ** |
| 059 Emotional Impairment | 117 | 73 | 62.4 | 92 | 78.6 |
| 061 Visually Impaired | 7 | ** | ** | ** | ** |
| 062 Hearing Impaired | 13 | 9 | 69.2 | 11 | 84.6 |
| 063 Learning Disabilities | 21 | 21 | 100.0 | 21 | 100.0 |
| 064 Autism Spectrum Disorder | 18 | 17 | 94.4 | 17 | 94.4 |
| 082 Early Childhood Education | 178 | 173 | 97.2 | 178 | 100.0 |
| 083 Elementary Education | 842 | 752 | 89.3 | 807 | 95.8 |
| 084 Social Studies | 229 | 164 | 71.6 | 191 | 83.4 |
| 086 English as a Second Lang. | 25 | 22 | 88.0 | 23 | 92.0 |
| 087 Industrial Technology | 1 | ** | ** | ** | ** |

(Continued)

| Eastern Michigan University | N | Attempt Type | | | |
|---|--------------|--------------|-------------|--------------|-------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 088 Technology and Design | 5 | ** | ** | ** | ** |
| 089 Mathematics (Elem.) | 183 | 148 | 80.9 | 156 | 85.2 |
| 090 Language Arts | 107 | 67 | 62.6 | 75 | 70.1 |
| 091 Communication Arts | 1 | ** | ** | ** | ** |
| 092 Reading Specialist | 42 | 38 | 90.5 | 41 | 97.6 |
| 093 Integrated Science (Elem.) | 170 | 106 | 62.4 | 117 | 68.8 |
| 094 Integrated Science (Sec.) | 33 | 24 | 72.7 | 28 | 84.8 |
| 095 Visual Arts Education | 32 | 30 | 93.8 | 31 | 96.9 |
| 097 Physical Science | 1 | ** | ** | ** | ** |
| 098 Business, Management, Marketing and Technology | 17 | 12 | 70.6 | 16 | 94.1 |
| 099 Music | 50 | 49 | 98.0 | 50 | 100.0 |
| 100 Japanese | 3 | ** | ** | ** | ** |
| 101 Chinese | 2 | ** | ** | ** | ** |
| 102 Arabic | 1 | ** | ** | ** | ** |
| 106 ECE-General & Special Ed. | 55 | 49 | 89.1 | 52 | 94.5 |
| Total | 3,595 | 2,854 | 79.4 | 3,191 | 88.8 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| Ferris State University | N | Attempt Type | | | |
|---|------------|--------------|-------------|------------|-------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 22 | 17 | 77.3 | 18 | 81.8 |
| 004 Speech | 8 | ** | ** | ** | ** |
| 008 Geography | 2 | ** | ** | ** | ** |
| 009 History | 26 | 21 | 80.8 | 23 | 88.5 |
| 010 Political Science | 6 | ** | ** | ** | ** |
| 017 Biology | 13 | 10 | 76.9 | 12 | 92.3 |
| 018 Chemistry | 11 | 9 | 81.8 | 9 | 81.8 |
| 019 Physics | 9 | ** | ** | ** | ** |
| 022 Mathematics (Sec.) | 32 | 29 | 90.6 | 32 | 100.0 |
| 028 Spanish | 3 | ** | ** | ** | ** |
| 032 Business Education | 4 | ** | ** | ** | ** |
| 036 Marketing Education | 9 | ** | ** | ** | ** |
| 043 Health | 1 | ** | ** | ** | ** |
| 044 Physical Education | 7 | ** | ** | ** | ** |
| 056 Cognitive Impairment | 10 | 8 | 80.0 | 9 | 90.0 |
| 059 Emotional Impairment | 6 | ** | ** | ** | ** |
| 063 Learning Disabilities | 25 | 21 | 84.0 | 25 | 100.0 |
| 064 Autism Spectrum Disorder | 10 | 10 | 100.0 | 10 | 100.0 |
| 082 Early Childhood Education | 57 | 48 | 84.2 | 50 | 87.7 |
| 083 Elementary Education | 176 | 154 | 87.5 | 169 | 96.0 |
| 084 Social Studies | 76 | 35 | 46.1 | 48 | 63.2 |
| 087 Industrial Technology | 1 | ** | ** | ** | ** |
| 088 Technology and Design | 1 | ** | ** | ** | ** |
| 089 Mathematics (Elem.) | 29 | 22 | 75.9 | 12 | 79.3 |
| 090 Language Arts | 65 | 34 | 52.3 | 41 | 63.1 |
| 092 Reading Specialist | 2 | ** | ** | ** | ** |
| 093 Integrated Science (Elem.) | 33 | 15 | 45.5 | 16 | 48.5 |
| 095 Visual Arts Education | 35 | 31 | 88.6 | 35 | 100.0 |
| 098 Business, Management, Marketing and Technology | 17 | 15 | 88.2 | 15 | 88.2 |
| 106 ECE-General & Special Ed. | 11 | 9 | 81.8 | 9 | 81.8 |
| Total | 707 | 538 | 76.1 | 595 | 84.2 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| Finlandia University | N | Attempt Type | | | |
|--------------------------------|-----------|---------------------|---------------|-------------------|---------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 2 | ** | ** | ** | ** |
| 083 Elementary Education | 12 | 12 | 100.0 | 12 | 100.0 |
| 084 Social Studies | 1 | ** | ** | ** | ** |
| 089 Mathematics (Elem.) | 4 | ** | ** | ** | ** |
| 093 Integrated Science (Elem.) | 2 | ** | ** | ** | ** |
| Total | 21 | 17 | 81.0 | 17 | 81.0 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| Grand Valley State University | N | Attempt Type | | | |
|--------------------------------|-----|--------------|--------|------------|--------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 169 | 154 | 91.1 | 162 | 95.9 |
| 005 Reading | 14 | 14 | 100.0 | 14 | 100.0 |
| 007 Economics | 9 | ** | ** | ** | ** |
| 008 Geography | 12 | 11 | 91.7 | 11 | 91.7 |
| 009 History | 126 | 97 | 77.0 | 117 | 92.9 |
| 010 Political Science | 29 | 23 | 79.3 | 26 | 89.7 |
| 011 Psychology | 103 | 71 | 68.9 | 88 | 85.4 |
| 012 Sociology | 9 | ** | ** | ** | ** |
| 017 Biology | 59 | 44 | 74.6 | 51 | 86.4 |
| 018 Chemistry | 31 | 25 | 80.6 | 26 | 83.9 |
| 019 Physics | 13 | 11 | 84.6 | 11 | 84.6 |
| 020 Earth/Space Science | 19 | 13 | 68.4 | 18 | 94.7 |
| 022 Mathematics (Sec.) | 122 | 115 | 94.3 | 119 | 97.5 |
| 023 French | 7 | ** | ** | ** | ** |
| 024 German | 4 | ** | ** | ** | ** |
| 026 Latin | 1 | ** | ** | ** | ** |
| 028 Spanish | 72 | 66 | 91.7 | 69 | 95.8 |
| 039 Music Education | 12 | 12 | 100.0 | 12 | 100.0 |
| 043 Health | 55 | 47 | 85.5 | 52 | 94.5 |
| 044 Physical Education | 96 | 78 | 81.3 | 90 | 93.8 |
| 048 Library Media | 2 | ** | ** | ** | ** |
| 050 Computer Science | 2 | ** | ** | ** | ** |
| 051 Guidance Counselor | 64 | 50 | 78.1 | 56 | 87.5 |
| 056 Cognitive Impairment | 207 | 167 | 80.7 | 195 | 94.2 |
| 059 Emotional Impairment | 168 | 113 | 67.3 | 145 | 86.3 |
| 063 Learning Disabilities | 49 | 46 | 93.9 | 47 | 95.9 |
| 064 Autism Spectrum Disorder | 7 | ** | ** | ** | ** |
| 082 Early Childhood Education | 85 | 80 | 94.1 | 83 | 97.6 |
| 083 Elementary Education | 825 | 768 | 93.1 | 795 | 96.4 |
| 084 Social Studies | 275 | 185 | 67.3 | 211 | 76.7 |
| 086 English as a Second Lang. | 33 | 31 | 93.9 | 31 | 93.9 |
| 089 Mathematics (Elem.) | 64 | 61 | 95.3 | 63 | 98.4 |
| 090 Language Arts | 200 | 159 | 79.5 | 180 | 90.0 |
| 092 Reading Specialist | 33 | 31 | 93.9 | 32 | 97.0 |
| 093 Integrated Science (Elem.) | 104 | 75 | 72.1 | 91 | 87.5 |
| 094 Integrated Science (Sec.) | 13 | 12 | 92.3 | 13 | 100.0 |

(Continued)

| Grand Valley State University | N | Attempt Type | | | |
|-------------------------------|--------------|--------------|-------------|--------------|-------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 095 Visual Arts Education | 25 | 25 | 100.0 | 25 | 100.0 |
| 099 Music | 38 | 37 | 97.4 | 37 | 97.4 |
| 106 ECE-General & Special Ed. | 43 | 39 | 90.7 | 42 | 97.7 |
| Total | 3,199 | 2,687 | 84.0 | 2,945 | 92.1 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| Hillsdale College | N | Attempt Type | | | |
|--------------------------------|-----------|---------------------|---------------|-------------------|---------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 10 | 8 | 80.0 | 8 | 80.0 |
| 004 Speech | 4 | ** | ** | ** | ** |
| 009 History | 8 | ** | ** | ** | ** |
| 017 Biology | 6 | ** | ** | ** | ** |
| 018 Chemistry | 1 | ** | ** | ** | ** |
| 022 Mathematics (Sec.) | 8 | ** | ** | ** | ** |
| 023 French | 1 | ** | ** | ** | ** |
| 024 German | 2 | ** | ** | ** | ** |
| 028 Spanish | 2 | ** | ** | ** | ** |
| 044 Physical Education | 13 | 7 | 53.8 | 8 | 61.5 |
| 082 Early Childhood Education | 8 | ** | ** | ** | ** |
| 083 Elementary Education | 20 | 19 | 95.0 | 20 | 100.0 |
| 089 Mathematics (Elem.) | 2 | ** | ** | ** | ** |
| 093 Integrated Science (Elem.) | 5 | ** | ** | ** | ** |
| 106 ECE-General & Special Ed. | 3 | ** | ** | ** | ** |
| Total | 93 | 73 | 78.5 | 78 | 83.9 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| Hope College | N | Attempt Type | | | |
|--------------------------------|------------|--------------|-------------|------------|-------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 41 | 36 | 87.8 | 38 | 92.7 |
| 009 History | 18 | 15 | 83.3 | 17 | 94.4 |
| 010 Political Science | 5 | ** | ** | ** | ** |
| 011 Psychology | 13 | 13 | 100.0 | 13 | 100.0 |
| 017 Biology | 9 | ** | ** | ** | ** |
| 018 Chemistry | 7 | ** | ** | ** | ** |
| 019 Physics | 3 | ** | ** | ** | ** |
| 020 Earth/Space Science | 4 | ** | ** | ** | ** |
| 022 Mathematics (Sec.) | 14 | 14 | 100.0 | 14 | 100.0 |
| 023 French | 5 | ** | ** | ** | ** |
| 026 Latin | 1 | ** | ** | ** | ** |
| 028 Spanish | 34 | 32 | 94.1 | 34 | 100.0 |
| 043 Health | 18 | 16 | 88.9 | 17 | 94.4 |
| 044 Physical Education | 22 | 19 | 86.4 | 21 | 95.5 |
| 046 Dance | 16 | 16 | 100.0 | 16 | 100.0 |
| 053 Fine Arts | 1 | ** | ** | ** | ** |
| 059 Emotional Impairment | 23 | 17 | 73.9 | 19 | 82.6 |
| 063 Learning Disabilities | 74 | 61 | 82.4 | 72 | 97.3 |
| 083 Elementary Education | 201 | 185 | 92.0 | 200 | 99.5 |
| 084 Social Studies | 33 | 21 | 63.6 | 29 | 87.9 |
| 089 Mathematics (Elem.) | 27 | 23 | 85.2 | 23 | 85.2 |
| 090 Language Arts | 49 | 42 | 85.7 | 44 | 89.8 |
| 093 Integrated Science (Elem.) | 10 | 8 | 80.0 | 10 | 100.0 |
| 095 Visual Arts Education | 5 | ** | ** | ** | ** |
| 099 Music | 16 | 16 | 100.0 | 16 | 100.0 |
| Total | 649 | 563 | 86.7 | 615 | 94.8 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| Lake Superior State University | N | Attempt Type | | | |
|--------------------------------|------------|--------------|-------------|------------|-------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 12 | 6 | 50.0 | 8 | 66.7 |
| 007 Economics | 1 | ** | ** | ** | ** |
| 008 Geography | 2 | ** | ** | ** | ** |
| 009 History | 7 | ** | ** | ** | ** |
| 010 Political Science | 1 | ** | ** | ** | ** |
| 012 Sociology | 3 | ** | ** | ** | ** |
| 017 Biology | 3 | ** | ** | ** | ** |
| 018 Chemistry | 1 | ** | ** | ** | ** |
| 020 Earth/Space Science | 4 | ** | ** | ** | ** |
| 022 Mathematics (Sec.) | 12 | 11 | 91.7 | 12 | 100.0 |
| 023 French | 3 | ** | ** | ** | ** |
| 028 Spanish | 1 | ** | ** | ** | ** |
| 050 Computer Science | 1 | ** | ** | ** | ** |
| 082 Early Childhood Education | 3 | ** | ** | ** | ** |
| 083 Elementary Education | 49 | 44 | 89.8 | 49 | 100.0 |
| 084 Social Studies | 28 | 13 | 46.4 | 17 | 60.7 |
| 089 Mathematics (Elem.) | 13 | 9 | 69.2 | 11 | 84.6 |
| 090 Language Arts | 1 | ** | ** | ** | ** |
| 093 Integrated Science (Elem.) | 19 | 9 | 47.4 | 14 | 73.7 |
| 094 Integrated Science (Sec.) | 1 | ** | ** | ** | ** |
| 097 Physical Science | 4 | ** | ** | ** | ** |
| Total | 169 | 112 | 66.3 | 137 | 81.1 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| Madonna University | N | Attempt Type | | | |
|--------------------------------|------------|--------------|-------------|------------|-------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 20 | 15 | 75.0 | 17 | 85.0 |
| 003 Journalism | 1 | ** | ** | ** | ** |
| 004 Speech | 4 | ** | ** | ** | ** |
| 009 History | 9 | ** | ** | ** | ** |
| 010 Political Science | 4 | ** | ** | ** | ** |
| 017 Biology | 7 | ** | ** | ** | ** |
| 018 Chemistry | 1 | ** | ** | ** | ** |
| 019 Physics | 1 | ** | ** | ** | ** |
| 022 Mathematics (Sec.) | 3 | ** | ** | ** | ** |
| 028 Spanish | 4 | ** | ** | ** | ** |
| 040 Family & Consumer Sciences | 5 | ** | ** | ** | ** |
| 044 Physical Education | 2 | ** | ** | ** | ** |
| 063 Learning Disabilities | 50 | 46 | 92.0 | 48 | 96.0 |
| 064 Autism Spectrum Disorder | 104 | 95 | 91.3 | 102 | 98.1 |
| 082 Early Childhood Education | 11 | 10 | 90.9 | 11 | 100.0 |
| 083 Elementary Education | 67 | 61 | 91.0 | 64 | 95.5 |
| 084 Social Studies | 21 | 12 | 57.1 | 14 | 66.7 |
| 086 English as a Second Lang. | 10 | 10 | 100.0 | 10 | 100.0 |
| 089 Mathematics (Elem.) | 18 | 14 | 77.8 | 16 | 88.9 |
| 090 Language Arts | 19 | 10 | 52.6 | 13 | 68.4 |
| 091 Communication Arts | 2 | ** | ** | ** | ** |
| 092 Reading Specialist | 43 | 38 | 88.4 | 39 | 90.7 |
| 093 Integrated Science (Elem.) | 12 | 5 | 41.7 | 6 | 50.0 |
| 094 Integrated Science (Sec.) | 6 | ** | ** | ** | ** |
| 095 Visual Arts Education | 6 | ** | ** | ** | ** |
| 106 ECE-General & Special Ed. | 2 | ** | ** | ** | ** |
| Total | 432 | 357 | 82.6 | 387 | 89.6 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| Marygrove College | N | Attempt Type | | | |
|-------------------------------|-----------|---------------------|---------------|-------------------|---------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 2 | ** | ** | ** | ** |
| 009 History | 2 | ** | ** | ** | ** |
| 017 Biology | 1 | ** | ** | ** | ** |
| 022 Mathematics (Sec.) | 6 | ** | ** | ** | ** |
| 039 Music Education | 1 | ** | ** | ** | ** |
| 050 Computer Science | 1 | ** | ** | ** | ** |
| 063 Learning Disabilities | 7 | ** | ** | ** | ** |
| 083 Elementary Education | 17 | 10 | 58.8 | 13 | 76.5 |
| 089 Mathematics (Elem.) | 6 | ** | ** | ** | ** |
| 090 Language Arts | 2 | ** | ** | ** | ** |
| 095 Visual Arts Education | 1 | ** | ** | ** | ** |
| 099 Music | 1 | ** | ** | ** | ** |
| 106 ECE-General & Special Ed. | 1 | ** | ** | ** | ** |
| Total | 48 | 23 | 47.9 | 34 | 70.8 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| Michigan State University | N | Attempt Type | | | |
|--------------------------------|-----|--------------|--------|------------|--------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 220 | 188 | 85.5 | 201 | 91.4 |
| 003 Journalism | 18 | 8 | 44.4 | 11 | 61.1 |
| 005 Reading | 2 | ** | ** | ** | ** |
| 007 Economics | 11 | 5 | 45.5 | 6 | 54.5 |
| 008 Geography | 29 | 23 | 79.3 | 24 | 82.8 |
| 009 History | 198 | 153 | 77.3 | 171 | 86.4 |
| 010 Political Science | 20 | 19 | 95.0 | 19 | 95.0 |
| 011 Psychology | 36 | 27 | 75.0 | 27 | 75.0 |
| 012 Sociology | 12 | 11 | 91.7 | 11 | 91.7 |
| 013 Anthropology | 2 | ** | ** | ** | ** |
| 017 Biology | 76 | 52 | 68.4 | 70 | 92.1 |
| 018 Chemistry | 70 | 47 | 67.1 | 61 | 87.1 |
| 019 Physics | 24 | 19 | 79.2 | 22 | 91.7 |
| 020 Earth/Space Science | 7 | ** | ** | ** | ** |
| 022 Mathematics (Sec.) | 137 | 129 | 94.2 | 135 | 98.5 |
| 023 French | 18 | 9 | 50.0 | 13 | 72.2 |
| 024 German | 10 | 8 | 80.0 | 8 | 80.0 |
| 027 Russian | 1 | ** | ** | ** | ** |
| 028 Spanish | 111 | 83 | 74.8 | 98 | 88.3 |
| 037 Agricultural Education | 16 | 16 | 100.0 | 16 | 100.0 |
| 044 Physical Education | 4 | ** | ** | ** | ** |
| 049 Environmental Studies | 1 | ** | ** | ** | ** |
| 050 Computer Science | 3 | ** | ** | ** | ** |
| 051 Guidance Counselor | 11 | 11 | 100.0 | 11 | 100.0 |
| 057 Speech & Language Impaired | 12 | 10 | 83.3 | 10 | 83.3 |
| 059 Emotional Impairment | 7 | ** | ** | ** | ** |
| 062 Hearing Impaired | 29 | 29 | 100.0 | 29 | 100.0 |
| 063 Learning Disabilities | 178 | 164 | 92.1 | 175 | 98.3 |
| 064 Autism Spectrum Disorder | 31 | 30 | 96.8 | 31 | 100.0 |
| 082 Early Childhood Education | 51 | 51 | 100.0 | 51 | 100.0 |
| 083 Elementary Education | 864 | 828 | 95.8 | 854 | 98.8 |
| 084 Social Studies | 363 | 236 | 65.0 | 296 | 81.5 |
| 086 English as a Second Lang. | 178 | 147 | 82.6 | 161 | 90.4 |
| 089 Mathematics (Elem.) | 118 | 112 | 94.9 | 116 | 98.3 |
| 090 Language Arts | 381 | 299 | 78.5 | 336 | 88.2 |
| 091 Communication Arts | 1 | ** | ** | ** | ** |
| 092 Reading Specialist | 11 | 9 | 81.8 | 9 | 81.8 |

(Continued)

| Michigan State University | N | Attempt Type | | | |
|---|--------------|--------------|-------------|--------------|-------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 093 Integrated Science (Elem.) | 48 | 43 | 89.6 | 46 | 95.8 |
| 094 Integrated Science (Sec.) | 70 | 49 | 70.0 | 67 | 95.7 |
| 095 Visual Arts Education | 35 | 29 | 82.9 | 33 | 94.3 |
| 097 Physical Science | 5 | ** | ** | ** | ** |
| 098 Business, Management, Marketing and Technology | 1 | ** | ** | ** | ** |
| 099 Music | 70 | 68 | 97.1 | 69 | 98.6 |
| 100 Japanese | 11 | 10 | 90.9 | 10 | 90.9 |
| 101 Chinese | 63 | 59 | 93.7 | 61 | 96.8 |
| 102 Arabic | 3 | ** | ** | ** | ** |
| 106 ECE-General & Special Ed. | 23 | 23 | 100.0 | 23 | 100.0 |
| Total | 3,590 | 3,029 | 84.4 | 3,313 | 92.3 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| Michigan Technological University | N | Attempt Type | | | |
|-----------------------------------|-----------|--------------|-------------|------------|-------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 2 | ** | ** | ** | ** |
| 007 Economics | 1 | ** | ** | ** | ** |
| 017 Biology | 6 | ** | ** | ** | ** |
| 018 Chemistry | 7 | ** | ** | ** | ** |
| 019 Physics | 12 | 9 | 75.0 | 12 | 100.0 |
| 020 Earth/Space Science | 4 | ** | ** | ** | ** |
| 022 Mathematics (Sec.) | 23 | 21 | 91.3 | 23 | 100.0 |
| 050 Computer Science | 2 | ** | ** | ** | ** |
| 084 Social Studies | 6 | ** | ** | ** | ** |
| 094 Integrated Science (Sec.) | 8 | ** | ** | ** | ** |
| Total | 71 | 59 | 83.1 | 68 | 95.8 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| Northern Michigan University | N | Attempt Type | | | |
|--------------------------------|------------|--------------|-------------|------------|-------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 70 | 56 | 80.0 | 65 | 92.9 |
| 003 Journalism | 8 | ** | ** | ** | ** |
| 005 Reading | 12 | 9 | 75.0 | 10 | 83.3 |
| 007 Economics | 9 | ** | ** | ** | ** |
| 008 Geography | 11 | 10 | 90.9 | 11 | 100.0 |
| 009 History | 52 | 37 | 71.2 | 40 | 76.9 |
| 010 Political Science | 5 | ** | ** | ** | ** |
| 017 Biology | 19 | 17 | 89.5 | 18 | 94.7 |
| 018 Chemistry | 10 | 6 | 60.0 | 8 | 80.0 |
| 019 Physics | 6 | ** | ** | ** | ** |
| 020 Earth/Space Science | 7 | ** | ** | ** | ** |
| 022 Mathematics (Sec.) | 29 | 28 | 96.6 | 29 | 100.0 |
| 023 French | 2 | ** | ** | ** | ** |
| 024 German | 4 | ** | ** | ** | ** |
| 028 Spanish | 18 | 13 | 72.2 | 16 | 88.9 |
| 043 Health | 20 | 19 | 95.0 | 20 | 100.0 |
| 044 Physical Education | 46 | 34 | 73.9 | 42 | 91.3 |
| 051 Guidance Counselor | 1 | ** | ** | ** | ** |
| 056 Cognitive Impairment | 25 | 18 | 72.0 | 22 | 88.0 |
| 059 Emotional Impairment | 25 | 19 | 76.0 | 23 | 92.0 |
| 063 Learning Disabilities | 32 | 30 | 93.8 | 31 | 96.9 |
| 082 Early Childhood Education | 3 | ** | ** | ** | ** |
| 083 Elementary Education | 165 | 162 | 98.2 | 163 | 98.8 |
| 084 Social Studies | 74 | 53 | 71.6 | 63 | 85.1 |
| 087 Industrial Technology | 6 | ** | ** | ** | ** |
| 089 Mathematics (Elem.) | 36 | 35 | 97.2 | 35 | 97.2 |
| 090 Language Arts | 44 | 35 | 79.5 | 39 | 88.6 |
| 092 Reading Specialist | 10 | 9 | 90.0 | 9 | 90.0 |
| 093 Integrated Science (Elem.) | 62 | 34 | 54.8 | 43 | 69.4 |
| 094 Integrated Science (Sec.) | 16 | 13 | 81.3 | 15 | 93.8 |
| 095 Visual Arts Education | 12 | 11 | 91.7 | 11 | 91.7 |
| 099 Music | 6 | ** | ** | ** | ** |
| Total | 845 | 692 | 81.9 | 764 | 90.4 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| Oakland University | N | Attempt Type | | | |
|--------------------------------|--------------|---------------------|---------------|-------------------|---------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 90 | 61 | 67.8 | 80 | 88.9 |
| 005 Reading | 6 | ** | ** | ** | ** |
| 007 Economics | 2 | ** | ** | ** | ** |
| 008 Geography | 1 | ** | ** | ** | ** |
| 009 History | 87 | 56 | 64.4 | 73 | 83.9 |
| 010 Political Science | 12 | 6 | 50.0 | 9 | 75.0 |
| 012 Sociology | 15 | 7 | 46.7 | 11 | 73.3 |
| 017 Biology | 25 | 16 | 94.0 | 17 | 68.0 |
| 018 Chemistry | 12 | 5 | 41.7 | 6 | 50.0 |
| 019 Physics | 18 | 11 | 61.1 | 16 | 88.9 |
| 022 Mathematics (Sec.) | 45 | 38 | 84.4 | 39 | 86.7 |
| 023 French | 8 | ** | ** | ** | ** |
| 024 German | 2 | ** | ** | ** | ** |
| 028 Spanish | 44 | 28 | 63.6 | 37 | 84.1 |
| 039 Music Education | 3 | ** | ** | ** | ** |
| 046 Dance | 3 | ** | ** | ** | ** |
| 051 Guidance Counselor | 75 | 49 | 65.3 | 64 | 85.3 |
| 056 Cognitive Impairment | 1 | ** | ** | ** | ** |
| 059 Emotional Impairment | 21 | 14 | 66.7 | 16 | 76.2 |
| 063 Learning Disabilities | 35 | 31 | 88.6 | 33 | 94.3 |
| 064 Autism Spectrum Disorder | 154 | 142 | 92.2 | 149 | 96.8 |
| 082 Early Childhood Education | 58 | 54 | 93.1 | 57 | 98.3 |
| 083 Elementary Education | 655 | 565 | 89.3 | 620 | 94.7 |
| 084 Social Studies | 218 | 111 | 50.9 | 136 | 62.4 |
| 086 English as a Second Lang. | 25 | 19 | 76.0 | 22 | 88.0 |
| 087 Industrial Technology | 1 | ** | ** | ** | ** |
| 089 Mathematics (Elem.) | 196 | 146 | 74.5 | 167 | 85.2 |
| 090 Language Arts | 531 | 317 | 59.7 | 428 | 80.6 |
| 092 Reading Specialist | 116 | 107 | 92.2 | 111 | 95.7 |
| 093 Integrated Science (Elem.) | 111 | 65 | 85.6 | 74 | 66.7 |
| 094 Integrated Science (Sec.) | 46 | 34 | 73.9 | 37 | 80.4 |
| 095 Visual Arts Education | 32 | 24 | 75.0 | 28 | 87.5 |
| 099 Music | 26 | 26 | 100.0 | 26 | 100.0 |
| 100 Japanese | 1 | ** | ** | ** | ** |
| 102 Arabic | 1 | ** | ** | ** | ** |
| 106 ECE-General & Special Ed. | 5 | ** | ** | ** | ** |
| Total | 2,681 | 1,952 | 72.8 | 2,282 | 85.1 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| Olivet College | N | Attempt Type | | | |
|---|------------|---------------------|---------------|-------------------|---------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 10 | 2 | 20.0 | 3 | 30.0 |
| 004 Speech | 2 | ** | ** | ** | ** |
| 009 History | 8 | ** | ** | ** | ** |
| 010 Political Science | 4 | ** | ** | ** | ** |
| 017 Biology | 1 | ** | ** | ** | ** |
| 022 Mathematics (Sec.) | 9 | ** | ** | ** | ** |
| 043 Health | 8 | ** | ** | ** | ** |
| 044 Physical Education | 20 | 11 | 55.0 | 14 | 70.0 |
| 059 Emotional Impairment | 19 | 8 | 42.1 | 11 | 57.9 |
| 063 Learning Disabilities | 12 | 9 | 75.0 | 11 | 91.7 |
| 083 Elementary Education | 35 | 26 | 74.3 | 33 | 94.3 |
| 084 Social Studies | 12 | 5 | 41.7 | 7 | 58.3 |
| 089 Mathematics (Elem.) | 3 | ** | ** | ** | ** |
| 090 Language Arts | 1 | ** | ** | ** | ** |
| 093 Integrated Science (Elem.) | 10 | 4 | 40.0 | 6 | 60.0 |
| 094 Integrated Science (Sec.) | 4 | ** | ** | ** | ** |
| 095 Visual Arts Education | 5 | ** | ** | ** | ** |
| 098 Business, Management, Marketing and Technology | 1 | ** | ** | ** | ** |
| 099 Music | 6 | ** | ** | ** | ** |
| Total | 170 | 104 | 61.2 | 130 | 76.5 |

**Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013**

Content Area Results

| Robert B. Miller College | N | Attempt Type | | | |
|---------------------------------|-----------|---------------------|---------------|-------------------|---------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 005 Reading | 1 | ** | ** | ** | ** |
| 063 Learning Disabilities | 13 | 10 | 76.9 | 12 | 92.3 |
| 082 Early Childhood Education | 2 | ** | ** | ** | ** |
| 083 Elementary Education | 32 | 26 | 81.3 | 29 | 90.6 |
| 084 Social Studies | 2 | ** | ** | ** | ** |
| 089 Mathematics (Elem.) | 2 | ** | ** | ** | ** |
| 090 Language Arts | 8 | ** | ** | ** | ** |
| 093 Integrated Science (Elem.) | 6 | ** | ** | ** | ** |
| 106 ECE-General & Special Ed. | 6 | ** | ** | ** | ** |
| Total | 72 | 53 | 73.6 | 61 | 84.7 |

**Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013**

Content Area Results

| Rochester College | N | Attempt Type | | | |
|--------------------------|-----------|---------------------|---------------|-------------------|---------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 2 | ** | ** | ** | ** |
| 009 History | 2 | ** | ** | ** | ** |
| 017 Biology | 6 | ** | ** | ** | ** |
| 022 Mathematics (Sec.) | 2 | ** | ** | ** | ** |
| 083 Elementary Education | 23 | 19 | 82.6 | 19 | 82.6 |
| 084 Social Studies | 11 | 5 | 45.5 | 8 | 72.7 |
| 089 Mathematics (Elem.) | 7 | ** | ** | ** | ** |
| 090 Language Arts | 8 | ** | ** | ** | ** |
| 099 Music | 2 | ** | ** | ** | ** |
| Total | 63 | 40 | 63.5 | 47 | 74.6 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| Saginaw Valley State University | N | Attempt Type | | | |
|--|----------|---------------------|---------------|-------------------|---------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 127 | 90 | 70.9 | 100 | 78.7 |
| 004 Speech | 13 | 13 | 100.0 | 13 | 100.0 |
| 007 Economics | 2 | ** | ** | ** | ** |
| 008 Geography | 10 | 9 | 90.0 | 9 | 90.0 |
| 009 History | 87 | 53 | 60.9 | 67 | 77.0 |
| 010 Political Science | 18 | 12 | 66.7 | 13 | 72.2 |
| 017 Biology | 24 | 10 | 41.7 | 14 | 58.3 |
| 018 Chemistry | 21 | 12 | 57.1 | 18 | 85.7 |
| 019 Physics | 4 | ** | ** | ** | ** |
| 022 Mathematics (Sec.) | 47 | 45 | 95.7 | 47 | 100.0 |
| 023 French | 7 | ** | ** | ** | ** |
| 028 Spanish | 16 | 11 | 68.8 | 14 | 87.5 |
| 039 Music Education | 1 | ** | ** | ** | ** |
| 043 Health | 1 | ** | ** | ** | ** |
| 044 Physical Education | 43 | 34 | 79.1 | 40 | 93.0 |
| 050 Computer Science | 2 | ** | ** | ** | ** |
| 056 Cognitive Impairment | 76 | 54 | 71.1 | 69 | 90.8 |
| 059 Emotional Impairment | 36 | 24 | 66.7 | 31 | 86.1 |
| 063 Learning Disabilities | 97 | 87 | 89.7 | 95 | 97.9 |
| 064 Autism Spectrum Disorder | 24 | 23 | 95.8 | 23 | 95.8 |
| 082 Early Childhood Education | 118 | 114 | 96.6 | 118 | 100.0 |
| 083 Elementary Education | 274 | 249 | 90.9 | 271 | 98.9 |
| 084 Social Studies | 142 | 86 | 60.6 | 95 | 66.9 |
| 086 English as a Second Lang. | 3 | ** | ** | ** | ** |
| 087 Industrial Technology | 1 | ** | ** | ** | ** |
| 089 Mathematics (Elem.) | 97 | 68 | 70.1 | 74 | 76.3 |
| 090 Language Arts | 15 | 9 | 60.0 | 9 | 60.0 |
| 091 Communication Arts | 3 | ** | ** | ** | ** |
| 092 Reading Specialist | 66 | 56 | 84.8 | 58 | 87.9 |
| 093 Integrated Science (Elem.) | 61 | 37 | 60.7 | 44 | 72.1 |
| 094 Integrated Science (Sec.) | 1 | ** | ** | ** | ** |
| 095 Visual Arts Education | 6 | ** | ** | ** | ** |
| 097 Physical Science | 1 | ** | ** | ** | ** |

(Continued)

| Saginaw Valley State University | N | Attempt Type | | | |
|---------------------------------|--------------|--------------|-------------|--------------|-------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 099 Music | 14 | 12 | 85.7 | 14 | 100.0 |
| 106 ECE-General & Special Ed. | 26 | 23 | 88.5 | 24 | 92.3 |
| Total | 1,484 | 1,151 | 77.6 | 1,283 | 86.5 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| Siena Heights University | N | Attempt Type | | | |
|---------------------------------|------------|---------------------|---------------|-------------------|---------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 11 | 7 | 63.6 | 8 | 72.7 |
| 009 History | 3 | ** | ** | ** | ** |
| 017 Biology | 1 | ** | ** | ** | ** |
| 018 Chemistry | 3 | ** | ** | ** | ** |
| 022 Mathematics (Sec.) | 9 | ** | ** | ** | ** |
| 028 Spanish | 2 | ** | ** | ** | ** |
| 044 Physical Education | 3 | ** | ** | ** | ** |
| 050 Computer Science | 3 | ** | ** | ** | ** |
| 051 Guidance Counselor | 7 | ** | ** | ** | ** |
| 056 Cognitive Impairment | 6 | ** | ** | ** | ** |
| 063 Learning Disabilities | 15 | 11 | 73.3 | 14 | 93.3 |
| 082 Early Childhood Education | 5 | ** | ** | ** | ** |
| 083 Elementary Education | 38 | 34 | 89.5 | 37 | 97.4 |
| 084 Social Studies | 11 | 4 | 36.4 | 7 | 63.6 |
| 086 English as a Second Lang. | 2 | ** | ** | ** | ** |
| 089 Mathematics (Elem.) | 4 | ** | ** | ** | ** |
| 090 Language Arts | 8 | ** | ** | ** | ** |
| 092 Reading Specialist | 4 | ** | ** | ** | ** |
| 093 Integrated Science (Elem.) | 1 | ** | ** | ** | ** |
| 095 Visual Arts Education | 2 | ** | ** | ** | ** |
| 106 ECE-General & Special Ed. | 4 | ** | ** | ** | ** |
| Total | 142 | 98 | 69.0 | 118 | 83.1 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| Spring Arbor University | N | Attempt Type | | | |
|----------------------------------|------------|---------------------|---------------|-------------------|---------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 26 | 21 | 80.8 | 23 | 88.5 |
| 004 Speech | 2 | ** | ** | ** | ** |
| 009 History | 6 | ** | ** | ** | ** |
| 010 Political Science | 4 | ** | ** | ** | ** |
| 011 Psychology | 2 | ** | ** | ** | ** |
| 017 Biology | 10 | 7 | 70.0 | 8 | 80.0 |
| 018 Chemistry | 8 | ** | ** | ** | ** |
| 019 Physics | 2 | ** | ** | ** | ** |
| 022 Mathematics (Sec.) | 14 | 13 | 92.9 | 14 | 100.0 |
| 023 French | 5 | ** | ** | ** | ** |
| 028 Spanish | 10 | 9 | 90.0 | 10 | 100.0 |
| 043 Health | 10 | 10 | 100.0 | 10 | 100.0 |
| 044 Physical Education | 12 | 8 | 66.7 | 10 | 83.3 |
| 051 Guidance Counselor | 48 | 32 | 66.7 | 39 | 81.3 |
| 063 Learning Disabilities | 69 | 63 | 91.3 | 67 | 97.1 |
| 082 Early Childhood Education | 28 | 27 | 96.4 | 28 | 100.0 |
| 083 Elementary Education | 139 | 129 | 92.8 | 136 | 97.8 |
| 084 Social Studies | 59 | 40 | 67.8 | 47 | 79.7 |
| 086 English as a Second Language | 4 | ** | ** | ** | ** |
| 089 Mathematics (Elem.) | 14 | 12 | 85.7 | 13 | 92.9 |
| 090 Language Arts | 30 | 24 | 80.0 | 25 | 83.3 |
| 093 Integrated Science (Elem.) | 17 | 13 | 76.5 | 14 | 82.4 |
| 095 Visual Arts Education | 7 | ** | ** | ** | ** |
| 099 Music | 3 | ** | ** | ** | ** |
| 106 ECE-General & Special Ed. | 9 | ** | ** | ** | ** |
| Total | 538 | 445 | 82.7 | 482 | 89.6 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| University of Detroit Mercy | N | Attempt Type | | | |
|--------------------------------|------------|--------------|-------------|------------|-------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 9 | ** | ** | ** | ** |
| 007 Economics | 1 | ** | ** | ** | ** |
| 009 History | 6 | ** | ** | ** | ** |
| 011 Psychology | 2 | ** | ** | ** | ** |
| 017 Biology | 2 | ** | ** | ** | ** |
| 018 Chemistry | 1 | ** | ** | ** | ** |
| 022 Mathematics (Sec.) | 9 | ** | ** | ** | ** |
| 050 Computer Science | 1 | ** | ** | ** | ** |
| 051 Guidance Counselor | 1 | ** | ** | ** | ** |
| 059 Emotional Impairment | 5 | ** | ** | ** | ** |
| 063 Learning Disabilities | 11 | 9 | 81.8 | 9 | 81.8 |
| 083 Elementary Education | 23 | 19 | 82.6 | 22 | 95.7 |
| 084 Social Studies | 9 | ** | ** | ** | ** |
| 089 Mathematics (Elem.) | 6 | ** | ** | ** | ** |
| 090 Language Arts | 9 | ** | ** | ** | ** |
| 093 Integrated Science (Elem.) | 3 | ** | ** | ** | ** |
| 094 Integrated Science (Sec.) | 3 | ** | ** | ** | ** |
| Total | 101 | 73 | 72.3 | 81 | 80.2 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| University of Michigan | N | Attempt Type | | | |
|--------------------------------|--------------|--------------|-------------|--------------|-------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 150 | 140 | 93.3 | 147 | 98.0 |
| 007 Economics | 7 | ** | ** | ** | ** |
| 009 History | 103 | 96 | 93.2 | 100 | 97.1 |
| 010 Political Science | 30 | 28 | 93.3 | 29 | 96.7 |
| 011 Psychology | 93 | 79 | 84.9 | 88 | 94.6 |
| 012 Sociology | 3 | ** | ** | ** | ** |
| 017 Biology | 29 | 25 | 86.2 | 28 | 96.6 |
| 018 Chemistry | 27 | 25 | 92.6 | 27 | 100.0 |
| 019 Physics | 30 | 26 | 86.7 | 30 | 100.0 |
| 020 Earth/Space Science | 12 | 8 | 66.7 | 11 | 91.7 |
| 022 Mathematics (Sec.) | 100 | 99 | 99.0 | 100 | 100.0 |
| 023 French | 13 | 9 | 69.2 | 11 | 84.6 |
| 024 German | 11 | 7 | 63.6 | 8 | 72.7 |
| 026 Latin | 9 | 8 | 88.9 | 9 | 100.0 |
| 028 Spanish | 55 | 53 | 96.4 | 54 | 98.2 |
| 029 Italian | 2 | ** | ** | ** | ** |
| 043 Health | 24 | 22 | 91.7 | 24 | 100.0 |
| 044 Physical Education | 25 | 21 | 84.0 | 23 | 92.0 |
| 048 Library Media | 8 | ** | ** | ** | ** |
| 050 Computer Science | 5 | ** | ** | ** | ** |
| 053 Fine Arts | 41 | 35 | 85.4 | 35 | 85.4 |
| 082 Early Childhood Education | 1 | ** | ** | ** | ** |
| 083 Elementary Education | 237 | 232 | 97.9 | 236 | 99.6 |
| 084 Social Studies | 128 | 107 | 83.6 | 114 | 89.1 |
| 086 English as a Second Lang. | 40 | 39 | 97.5 | 39 | 97.5 |
| 087 Industrial Technology | 1 | ** | ** | ** | ** |
| 089 Mathematics (Elem.) | 100 | 93 | 93.0 | 95 | 95.0 |
| 090 Language Arts | 169 | 154 | 91.1 | 159 | 94.1 |
| 092 Reading Specialist | 2 | ** | ** | ** | ** |
| 093 Integrated Science (Elem.) | 48 | 38 | 79.2 | 41 | 85.4 |
| 094 Integrated Science (Sec.) | 10 | 9 | 90.0 | 9 | 90.0 |
| 099 Music | 47 | 47 | 100.0 | 47 | 100.0 |
| 100 Japanese | 1 | ** | ** | ** | ** |
| 102 Arabic | 3 | ** | ** | ** | ** |
| Total | 1,564 | 1,426 | 91.2 | 1,494 | 95.5 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| University of Michigan-Dearborn | N | Attempt Type | | | |
|---------------------------------|------------|--------------|-------------|------------|-------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 39 | 31 | 79.5 | 34 | 87.2 |
| 004 Speech | 1 | ** | ** | ** | ** |
| 005 Reading | 2 | ** | ** | ** | ** |
| 007 Economics | 1 | ** | ** | ** | ** |
| 009 History | 26 | 17 | 65.4 | 20 | 76.9 |
| 010 Political Science | 8 | ** | ** | ** | ** |
| 011 Psychology | 10 | 9 | 90.0 | 10 | 100.0 |
| 012 Sociology | 4 | ** | ** | ** | ** |
| 017 Biology | 7 | ** | ** | ** | ** |
| 018 Chemistry | 4 | ** | ** | ** | ** |
| 019 Physics | 2 | ** | ** | ** | ** |
| 020 Earth/Space Science | 4 | ** | ** | ** | ** |
| 022 Mathematics (Sec.) | 13 | 11 | 84.6 | 12 | 92.3 |
| 023 French | 4 | ** | ** | ** | ** |
| 028 Spanish | 6 | ** | ** | ** | ** |
| 050 Computer Science | 1 | ** | ** | ** | ** |
| 059 Emotional Impairment | 7 | ** | ** | ** | ** |
| 063 Learning Disabilities | 52 | 45 | 86.5 | 47 | 90.4 |
| 082 Early Childhood Education | 14 | 14 | 100.0 | 14 | 100.0 |
| 083 Elementary Education | 149 | 124 | 83.2 | 136 | 91.3 |
| 084 Social Studies | 64 | 39 | 60.9 | 48 | 75.0 |
| 085 Middle Level | 1 | ** | ** | ** | ** |
| 086 English as a Second Lang. | 18 | 8 | 44.4 | 14 | 77.8 |
| 089 Mathematics (Elem.) | 55 | 43 | 78.2 | 48 | 87.3 |
| 090 Language Arts | 68 | 37 | 54.4 | 52 | 76.5 |
| 092 Reading Specialist | 24 | 23 | 95.8 | 23 | 95.8 |
| 093 Integrated Science (Elem.) | 59 | 41 | 69.5 | 45 | 76.3 |
| 094 Integrated Science (Sec.) | 6 | ** | ** | ** | ** |
| 106 ECE-General & Special Ed. | 19 | 14 | 73.7 | 15 | 78.9 |
| Total | 668 | 490 | 73.4 | 568 | 85.0 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| University of Michigan-Flint | N | Attempt Type | | | |
|--------------------------------|------------|--------------|-------------|------------|-------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 55 | 41 | 74.5 | 50 | 90.9 |
| 004 Speech | 15 | 15 | 100.0 | 15 | 100.0 |
| 009 History | 34 | 23 | 67.6 | 25 | 73.5 |
| 010 Political Science | 2 | ** | ** | ** | ** |
| 011 Psychology | 13 | 10 | 76.9 | 10 | 76.9 |
| 017 Biology | 6 | ** | ** | ** | ** |
| 018 Chemistry | 1 | ** | ** | ** | ** |
| 019 Physics | 7 | ** | ** | ** | ** |
| 020 Earth/Space Science | 16 | 7 | 43.8 | 11 | 68.8 |
| 022 Mathematics (Sec.) | 16 | 16 | 100.0 | 16 | 100.0 |
| 023 French | 5 | ** | ** | ** | ** |
| 028 Spanish | 15 | 13 | 86.7 | 15 | 100.0 |
| 053 Fine Arts | 17 | 5 | 29.4 | 5 | 29.4 |
| 056 Cognitive Impairment | 26 | 23 | 88.5 | 24 | 92.3 |
| 063 Learning Disabilities | 35 | 32 | 91.4 | 34 | 97.1 |
| 082 Early Childhood Education | 38 | 35 | 92.1 | 36 | 94.7 |
| 083 Elementary Education | 160 | 133 | 83.1 | 149 | 93.1 |
| 084 Social Studies | 73 | 34 | 46.6 | 45 | 61.6 |
| 089 Mathematics (Elem.) | 61 | 31 | 50.8 | 43 | 70.5 |
| 090 Language Arts | 77 | 43 | 55.8 | 51 | 66.2 |
| 092 Reading Specialist | 15 | 12 | 80.0 | 13 | 86.7 |
| 093 Integrated Science (Elem.) | 36 | 15 | 41.7 | 19 | 52.8 |
| 094 Integrated Science (Sec.) | 2 | ** | ** | ** | ** |
| 095 Visual Arts Education | 11 | 9 | 81.8 | 11 | 100.0 |
| 099 Music | 11 | 11 | 100.0 | 11 | 100.0 |
| 106 ECE-General & Special Ed. | 27 | 22 | 81.5 | 24 | 88.9 |
| Total | 774 | 546 | 70.5 | 626 | 80.9 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| Wayne State University | N | Attempt Type | | | |
|----------------------------------|-----|--------------|--------|------------|--------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 84 | 59 | 70.2 | 70 | 83.3 |
| 004 Speech | 16 | 15 | 93.8 | 15 | 93.8 |
| 007 Economics | 8 | ** | ** | ** | ** |
| 008 Geography | 4 | ** | ** | ** | ** |
| 009 History | 70 | 52 | 74.3 | 59 | 84.3 |
| 010 Political Science | 28 | 16 | 57.1 | 19 | 67.9 |
| 017 Biology | 23 | 17 | 73.9 | 19 | 82.6 |
| 018 Chemistry | 21 | 10 | 47.6 | 16 | 76.2 |
| 019 Physics | 9 | ** | ** | ** | ** |
| 020 Earth/Space Science | 10 | 2 | 20.0 | 8 | 80.0 |
| 022 Mathematics (Sec.) | 46 | 35 | 76.1 | 43 | 93.5 |
| 023 French | 3 | ** | ** | ** | ** |
| 024 German | 2 | ** | ** | ** | ** |
| 028 Spanish | 21 | 11 | 52.4 | 15 | 71.4 |
| 036 Marketing Education | 11 | 9 | 81.8 | 10 | 90.9 |
| 043 Health | 51 | 44 | 86.3 | 46 | 90.2 |
| 044 Physical Education | 38 | 28 | 73.7 | 31 | 81.6 |
| 046 Dance | 4 | ** | ** | ** | ** |
| 048 Library Media | 36 | 30 | 83.3 | 33 | 91.7 |
| 050 Computer Science | 6 | ** | ** | ** | ** |
| 051 Guidance Counselor | 36 | 24 | 66.7 | 30 | 83.3 |
| 056 Cognitive Impairment | 116 | 67 | 55.2 | 98 | 84.5 |
| 059 Emotional Impairment | 7 | ** | ** | ** | ** |
| 063 Learning Disabilities | 62 | 41 | 66.1 | 54 | 87.1 |
| 064 Autism Spectrum Disorder | 64 | 48 | 75.0 | 56 | 87.5 |
| 075 Bilingual Education | 21 | 19 | 90.5 | 20 | 95.2 |
| 082 Early Childhood Education | 39 | 36 | 92.3 | 38 | 97.4 |
| 083 Elementary Education | 408 | 330 | 80.9 | 379 | 92.9 |
| 084 Social Studies | 124 | 79 | 63.7 | 89 | 71.8 |
| 085 Middle Level | 2 | ** | ** | ** | ** |
| 086 English as a Second Language | 64 | 38 | 59.4 | 49 | 76.6 |
| 087 Industrial Technology | 1 | ** | ** | ** | ** |
| 089 Mathematics (Elem.) | 53 | 38 | 71.7 | 41 | 77.4 |
| 090 Language Arts | 55 | 30 | 54.5 | 36 | 65.5 |
| 091 Communication Arts | 2 | ** | ** | ** | ** |
| 092 Reading Specialist | 22 | 19 | 86.4 | 20 | 90.9 |

(Continued)

| Wayne State University | N | Attempt Type | | | |
|---|--------------|--------------|-------------|--------------|-------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 093 Integrated Science (Elem.) | 72 | 38 | 52.8 | 45 | 62.5 |
| 094 Integrated Science (Sec.) | 15 | 7 | 46.7 | 12 | 80.0 |
| 095 Visual Arts Education | 30 | 27 | 90.0 | 28 | 93.3 |
| 098 Business, Management, Marketing and Technology | 17 | 13 | 76.5 | 15 | 88.2 |
| 099 Music | 42 | 39 | 92.9 | 42 | 100.0 |
| 101 Chinese | 13 | 11 | 84.6 | 11 | 84.6 |
| 102 Arabic | 19 | 15 | 78.9 | 16 | 84.2 |
| 106 ECE-General & Special Ed. | 14 | 8 | 57.1 | 9 | 64.3 |
| Total | 1,789 | 1,289 | 72.1 | 1,512 | 84.5 |

Michigan Test for Teacher Certification
THREE-YEAR SUMMARY OF STATE RESULTS: INITIAL & CUMULATIVE
Initial Test Attempt and Cumulative Test Attempt of Eligible,
First-Time Test Takers
Program Years: August 2010 – July 2013

Content Area Results

| Western Michigan University | N | Attempt Type | | | |
|--------------------------------|-----|--------------|--------|------------|--------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 002 English | 160 | 129 | 80.6 | 137 | 85.6 |
| 004 Speech | 51 | 50 | 98.0 | 50 | 98.0 |
| 008 Geography | 14 | 12 | 85.7 | 12 | 85.7 |
| 009 History | 98 | 74 | 75.5 | 81 | 82.7 |
| 010 Political Science | 20 | 14 | 70.0 | 18 | 90.0 |
| 017 Biology | 37 | 32 | 86.5 | 35 | 94.6 |
| 018 Chemistry | 21 | 11 | 52.4 | 15 | 71.4 |
| 019 Physics | 12 | 9 | 75.0 | 11 | 91.7 |
| 020 Earth/Space Science | 27 | 13 | 48.1 | 19 | 70.4 |
| 022 Mathematics (Sec.) | 70 | 63 | 90.0 | 68 | 97.1 |
| 023 French | 6 | ** | ** | ** | ** |
| 024 German | 6 | ** | ** | ** | ** |
| 026 Latin | 4 | ** | ** | ** | ** |
| 028 Spanish | 53 | 35 | 66.0 | 47 | 88.7 |
| 032 Business Education | 1 | ** | ** | ** | ** |
| 036 Marketing Education | 3 | ** | ** | ** | ** |
| 039 Music Education | 14 | 13 | 92.9 | 14 | 100.0 |
| 040 Family & Consumer Sciences | 20 | 13 | 65.0 | 17 | 85.0 |
| 043 Health | 58 | 48 | 82.8 | 53 | 91.4 |
| 044 Physical Education | 92 | 67 | 72.8 | 75 | 81.5 |
| 049 Environmental Studies | 3 | ** | ** | ** | ** |
| 051 Guidance Counselor | 69 | 56 | 81.2 | 62 | 89.9 |
| 056 Cognitive Impairment | 54 | 32 | 59.3 | 44 | 81.5 |
| 057 Speech & Language Impaired | 7 | ** | ** | ** | ** |
| 059 Emotional Impairment | 48 | 29 | 60.4 | 39 | 81.3 |
| 061 Visually Impaired | 6 | ** | ** | ** | ** |
| 063 Learning Disabilities | 144 | 125 | 86.8 | 137 | 95.1 |
| 082 Early Childhood Education | 221 | 191 | 86.4 | 207 | 93.7 |
| 083 Elementary Education | 714 | 619 | 86.7 | 666 | 93.3 |
| 084 Social Studies | 274 | 143 | 52.2 | 160 | 58.4 |
| 087 Industrial Technology | 17 | 15 | 88.2 | 15 | 88.2 |
| 088 Technology and Design | 1 | ** | ** | ** | ** |
| 089 Mathematics (Elem.) | 157 | 120 | 76.4 | 134 | 85.4 |
| 090 Language Arts | 296 | 151 | 51.0 | 172 | 58.1 |
| 091 Communication Arts | 1 | ** | ** | ** | ** |
| 092 Reading Specialist | 34 | 29 | 85.3 | 31 | 91.2 |

(Continued)

| Western Michigan University | N | Attempt Type | | | |
|---|--------------|--------------|-------------|--------------|-------------|
| | | Initial | | Cumulative | |
| | | N Pass | % Pass | N Pass | % Pass |
| 093 Integrated Science (Elem.) | 66 | 26 | 39.4 | 35 | 53.0 |
| 094 Integrated Science (Sec.) | 1 | ** | ** | ** | ** |
| 095 Visual Arts Education | 42 | 37 | 88.1 | 39 | 92.9 |
| 098 Business, Management, Marketing and Technology | 40 | 26 | 65.0 | 33 | 82.5 |
| 099 Music | 46 | 46 | 100.0 | 46 | 100.0 |
| 106 ECE-General & Special Ed. | 149 | 98 | 65.8 | 116 | 77.9 |
| Total | 3,157 | 2,350 | 74.4 | 2,621 | 83.0 |

Report to the
Michigan State Board of Education

Three-Year Cumulative Report
2010-2013
2009-2012
2008-2011



Prepared by the
Office of Professional Preparation Services

November 13, 2013

Caution: The following tables should be viewed and used *only* with the Key for explaining Data Tables and with the Interpretative Notes and Cautions.

Key for Data Tables:

| | | |
|------------------------|---|---|
| N | = | Number of eligible test takers who took a Michigan Test for Teacher Certification (MTTC) for the first time any time during the program years. |
| N Pass, or (% Pass) | = | Number, or (Percentage), of eligible test takers who passed an MTTC test. |
| Cumulative | = | Total test takers who pass an MTTC at any time during the program years, including those who eventually pass after one or more attempts, provided the first time attempt occurred during the program years of the report. The cumulative pass percentage is used for comparison purposes among higher education institutions. |
| ** | = | Pass percentages are not reported for institutions which currently have fewer than ten test takers recorded during a reporting interval. The candidate performance from those institutions is included in the statewide summary results. |
| NA | = | New program at the institution; no eligible candidates at this time. |

Interpretative Notes and Cautions:

For cross-year content comparison, it should be noted that four to five tests are significantly redeveloped annually with new cut scores. These changes may increase or decrease the pass percentage for content areas with new tests.

An eligible test taker is a teacher candidate identified by an institution as such. This is also known as a verified test taker, or as a "barcoded" test taker.

Results reported for only a small number of test takers may not be a valid indicator of program strength.

Test takers whose data are presented in this document may not reflect the same performance as that of test takers who will take these tests in the future.

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Table 1B

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Attempt of Eligible, First-Time Test Takers
Program Years: 2010 - 2013, 2009 – 2012, and 2008 - 2011

Aggregate Content Area Results

| Institution | 2010-2013 | | 2009-2012 | | 2008–2011 | |
|-----------------------------------|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| Adrian College | 148 | 85.8 | 138 | 85.5 | 104 | 77.9 |
| Albion College | 127 | 94.5 | 145 | 89.0 | 123 | 92.7 |
| Alma College | 290 | 85.5 | 255 | 86.3 | 201 | 90.0 |
| Andrews University | 145 | 91.0 | 108 | 89.8 | 105 | 86.7 |
| Aquinas College | 471 | 92.4 | 554 | 91.5 | 565 | 92.0 |
| Baker College | 393 | 80.4 | 476 | 84.2 | 514 | 83.1 |
| Calvin College | 764 | 92.9 | 766 | 94.3 | 809 | 94.1 |
| Central Michigan University | 3,338 | 89.1 | 3,979 | 88.8 | 4,000 | 88.9 |
| College for Creative Studies | 28 | 92.9 | 34 | 94.1 | 28 | 92.9 |
| Concordia University | 130 | 82.3 | 152 | 86.2 | 165 | 89.7 |
| Cornerstone University | 372 | 90.9 | 355 | 91.3 | 386 | 89.6 |
| Eastern Michigan University | 3,595 | 88.8 | 3,881 | 88.3 | 3,921 | 88.9 |
| Ferris State University | 707 | 84.2 | 770 | 83.6 | 768 | 82.4 |
| Finlandia University | 21 | 81.0 | 21 | 76.2 | 38 | 65.8 |
| Grand Valley State University | 3,199 | 92.1 | 3,247 | 93.0 | 3,462 | 93.3 |
| Hillsdale College | 93 | 83.9 | 82 | 81.7 | 84 | 83.3 |
| Hope College | 649 | 94.8 | 696 | 95.3 | 642 | 96.6 |
| Lake Superior State University | 169 | 81.1 | 180 | 77.2 | 180 | 75.6 |
| Madonna University | 432 | 89.6 | 509 | 91.0 | 520 | 91.2 |
| Marygrove College | 48 | 70.8 | 44 | 90.9 | 43 | 81.4 |
| Michigan State University | 3,590 | 92.3 | 3,237 | 92.1 | 2,967 | 91.8 |
| Michigan Technological University | 71 | 95.8 | 66 | 92.4 | 73 | 90.4 |
| Northern Michigan University | 845 | 90.4 | 806 | 91.7 | 837 | 92.1 |
| Oakland University | 2,681 | 85.1 | 2,784 | 85.7 | 2,756 | 86.7 |
| Olivet College | 170 | 76.5 | 211 | 77.3 | 231 | 76.2 |
| Robert B. Miller College | 72 | 84.7 | 67 | 92.5 | 58 | 94.8 |
| Rochester College | 63 | 74.6 | 72 | 72.2 | 62 | 80.6 |
| Saginaw Valley State University | 1,484 | 86.5 | 1,973 | 85.9 | 2,540 | 82.6 |
| Siena Heights University | 142 | 83.1 | 167 | 86.8 | 220 | 82.7 |
| Spring Arbor University | 538 | 89.6 | 547 | 88.1 | 591 | 85.3 |
| University of Detroit Mercy | 101 | 80.2 | 90 | 86.7 | 120 | 83.3 |
| University of Michigan-Ann Arbor | 1,564 | 95.5 | 1,617 | 95.1 | 1,746 | 95.5 |
| University of Michigan-Dearborn | 668 | 85.0 | 603 | 86.9 | 586 | 85.5 |
| University of Michigan-Flint | 774 | 80.9 | 735 | 81.4 | 805 | 82.2 |
| Wayne State University | 1,789 | 84.5 | 1,921 | 87.0 | 2,410 | 85.9 |
| Western Michigan University | 3,157 | 83.0 | 3,268 | 82.8 | 3,748 | 82.5 |
| Statewide | 32,828 | 88.3 | 34,556 | 88.5 | 36,411 | 88.1 |

Table 2B

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Test | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|--|-----------|--------|-----------|--------|-----------|--------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 1,849 | 88.9 | 2,042 | 88.1 | 2,216 | 86.9 |
| 003 Journalism | 27 | 63.0 | 26 | 69.2 | 29 | 75.9 |
| 004 Speech | 220 | 99.1 | 248 | 95.6 | 258 | 91.1 |
| 005 Reading | 341 | 80.1 | 418 | 79.4 | 471 | 79.0 |
| 007 Economics | 62 | 67.7 | 72 | 69.4 | 75 | 65.3 |
| 008 Geography | 147 | 87.8 | 186 | 87.1 | 242 | 88.4 |
| 009 History | 1,503 | 84.9 | 1,613 | 87.2 | 1,729 | 86.3 |
| 010 Political Science | 227 | 83.7 | 273 | 84.6 | 322 | 82.0 |
| 011 Psychology | 337 | 85.8 | 366 | 83.9 | 375 | 85.1 |
| 012 Sociology | 46 | 87.0 | 61 | 93.4 | 79 | 87.3 |
| 013 Anthropology | 2 | ** | 3 | ** | 4 | ** |
| 017 Biology | 484 | 84.3 | 504 | 85.1 | 516 | 85.3 |
| 018 Chemistry | 328 | 83.5 | 331 | 84.6 | 347 | 81.6 |
| 019 Physics | 189 | 91.0 | 196 | 89.8 | 204 | 92.6 |
| 020 Earth/Space Science | 159 | 72.3 | 175 | 60.0 | 216 | 62.0 |
| 022 Mathematics (Secondary) | 1,078 | 96.3 | 1,118 | 95.3 | 1,127 | 96.6 |
| 023 French | 115 | 67.8 | 109 | 67.9 | 106 | 67.0 |
| 024 German | 49 | 75.5 | 58 | 77.6 | 54 | 70.4 |
| 026 Latin | 17 | 100.0 | 11 | 100.0 | 11 | 81.8 |
| 027 Russian | 1 | ** | 1 | ** | 1 | ** |
| 028 Spanish | 610 | 91.1 | 631 | 88.7 | 628 | 89.2 |
| 029 Italian | 2 | ** | 3 | ** | 2 | ** |
| 032 Business Education | 5 | ** | 10 | 100.0 | 16 | 100.0 |
| 033 Accounting | 0 | ** | 1 | ** | 1 | ** |
| 034 Business Administration | 0 | ** | 1 | ** | 4 | ** |
| 036 Marketing Education | 23 | 91.3 | 20 | 95.0 | 16 | 93.8 |
| 037 Agricultural Education | 16 | 100.0 | 11 | 100.0 | 10 | 100.0 |
| 039 Music Education | 46 | 87.0 | 130 | 90.8 | 243 | 91.8 |
| 040 Family & Consumer Sciences | 41 | 82.9 | 65 | 87.7 | 78 | 87.2 |
| 042 Health, Physical Education, and Recreation | 0 | ** | 12 | 75.0 | 34 | 76.5 |
| 043 Health | 452 | 93.1 | 497 | 91.3 | 573 | 94.1 |
| 044 Physical Education | 703 | 88.3 | 777 | 88.5 | 817 | 88.1 |
| 046 Dance | 26 | 100.0 | 34 | 100.0 | 36 | 97.2 |
| 048 Library Media | 46 | 89.1 | 58 | 94.8 | 94 | 94.7 |
| 049 Environmental Studies | 4 | ** | 9 | ** | 22 | 68.2 |
| 050 Computer Science | 42 | 92.9 | 50 | 98.0 | 51 | 92.2 |
| 051 Guidance Counselor | 404 | 86.9 | 440 | 82.7 | 559 | 79.4 |
| 053 Fine Arts | 70 | 70.0 | 82 | 72.0 | 91 | 64.8 |
| 054 Humanities | 0 | ** | 0 | ** | 1 | ** |

(Continued)

| Test | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|---|---------------|-------------|---------------|-------------|---------------|-------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 056 Cognitive Impairment | 1,003 | 89.2 | 1,127 | 87.8 | 1,231 | 89.0 |
| 057 Speech & Lang. Impairment | 38 | 89.5 | 40 | 85.0 | 38 | 92.1 |
| 058 Physical or Other Health Impairment | 5 | ** | 8 | ** | 16 | 93.8 |
| 059 Emotional Impairment | 533 | 82.7 | 579 | 84.8 | 669 | 87.7 |
| 061 Visually Impaired | 13 | 84.6 | 13 | 100.0 | 13 | 84.6 |
| 062 Hearing Impaired | 42 | 95.2 | 44 | 93.2 | 43 | 97.7 |
| 063 Learning Disabilities | 1,066 | 95.5 | 1,131 | 94.8 | 1,283 | 94.4 |
| 064 Autism Spectrum Disorder | 416 | 95.9 | 422 | 96.9 | 380 | 96.8 |
| 075 Bilingual Education | 36 | 97.2 | 48 | 97.9 | 40 | 100.0 |
| 082 Early Childhood Education | 1,357 | 96.7 | 1,999 | 96.9 | 1,921 | 96.2 |
| 083 Elementary Education | 7,592 | 96.0 | 7,618 | 98.1 | 7,950 | 98.0 |
| 084 Social Studies | 2,558 | 74.3 | 2,677 | 73.5 | 2,863 | 71.6 |
| 085 Middle Level | 76 | 98.7 | 89 | 95.5 | 88 | 97.7 |
| 086 English as a Second Language | 538 | 90.0 | 516 | 91.7 | 458 | 93.4 |
| 087 Industrial Technology | 42 | 92.9 | 53 | 90.6 | 66 | 92.4 |
| 088 Technology and Design | 7 | ** | 8 | ** | 7 | ** |
| 089 Mathematics (Elementary) | 1,510 | 87.3 | 1,610 | 86.7 | 1,719 | 86.6 |
| 090 Language Arts | 2,717 | 79.1 | 2,765 | 78.0 | 2,832 | 78.2 |
| 091 Communication Arts (Sec.) | 20 | 50.0 | 26 | 53.8 | 26 | 61.5 |
| 092 Reading Specialist | 447 | 92.6 | 433 | 95.2 | 438 | 94.3 |
| 093 Integrated Science (Elem.) | 1,243 | 71.2 | 1,345 | 69.6 | 1,391 | 69.3 |
| 094 Integrated Science (Sec.) | 325 | 86.8 | 298 | 88.3 | 276 | 89.9 |
| 095 Visual Arts Education | 380 | 95.0 | 412 | 95.6 | 458 | 96.5 |
| 097 Physical Science | 11 | 72.7 | 5 | ** | 7 | ** |
| 098 Business, Management, Marketing, and Technology | 107 | 86.0 | 128 | 82.8 | 124 | 90.3 |
| 099 Music | 523 | 99.0 | 415 | 98.6 | 311 | 98.7 |
| 100 Japanese | 16 | 93.8 | 18 | 94.4 | 10 | 90.0 |
| 101 Chinese | 78 | 94.9 | 74 | 97.3 | 64 | 96.9 |
| 102 Arabic | 27 | 88.9 | 13 | 76.9 | 6 | ** |
| 106 ECE-General & Special Ed. | 431 | 84.0 | | | | |
| All Tests (excluding Basic Skills) | 32,828 | 88.3 | 34,556 | 88.5 | 36,411 | 88.1 |

Table 3B

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Adrian College | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|---|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 10 | 100.0 | 15 | 93.3 | 12 | 83.3 |
| 004 Speech | 2 | ** | 1 | ** | 0 | ** |
| 007 Economics | 1 | ** | 1 | ** | 2 | ** |
| 009 History | 2 | ** | 6 | ** | 5 | ** |
| 011 Psychology | 1 | ** | 2 | ** | 1 | ** |
| 017 Biology | 1 | ** | 1 | ** | 1 | ** |
| 020 Earth/Space Science | 4 | ** | 3 | ** | 3 | ** |
| 022 Mathematics (Sec.) | 11 | 90.9 | 9 | ** | 6 | ** |
| 023 French | 1 | ** | 0 | ** | 0 | ** |
| 028 Spanish | 5 | ** | 6 | ** | 5 | ** |
| 039 Music Education | 3 | ** | 4 | ** | 6 | ** |
| 043 Health | 6 | ** | | | | |
| 044 Physical Education | 18 | 88.9 | 20 | 95.0 | 10 | 90.0 |
| 053 Fine Arts | 1 | ** | | | | |
| 082 Early Childhood Education | 3 | ** | 3 | ** | 1 | ** |
| 083 Elementary Education | 40 | 92.5 | 25 | 96.0 | 17 | 100.0 |
| 084 Social Studies | 11 | 81.8 | 16 | 75.0 | 17 | 58.8 |
| 089 Mathematics (Elem.) | 2 | ** | 2 | ** | 1 | ** |
| 090 Language Arts | 4 | ** | 2 | ** | ** | ** |
| 091 Communication Arts | 4 | ** | 6 | ** | 6 | ** |
| 093 Integrated Science (Elem.) | 1 | ** | 2 | ** | 1 | ** |
| 094 Integrated Science (Sec.) | 1 | ** | 1 | ** | 2 | ** |
| 095 Visual Arts Education | 5 | ** | 6 | ** | 6 | ** |
| 098 Business, Management, Marketing & Technology | 1 | ** | 1 | ** | ** | ** |
| 099 Music | 9 | ** | 6 | ** | 2 | ** |
| 106 ECE-General & Special Ed. | 1 | ** | | | | |
| Total | 148 | 85.8 | 138 | 85.5 | 104 | 77.9 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Albion College | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|--------------------------------|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 19 | 89.5 | 24 | 83.3 | 20 | 85.0 |
| 009 History | 16 | 87.5 | 19 | 84.2 | 15 | 100.0 |
| 010 Political Science | 3 | ** | 6 | ** | 5 | ** |
| 011 Psychology | 9 | ** | 12 | 83.3 | 7 | ** |
| 017 Biology | 5 | ** | 6 | ** | 4 | ** |
| 018 Chemistry | 1 | ** | 1 | ** | 0 | ** |
| 020 Earth/Space Science | 2 | ** | 3 | ** | 1 | ** |
| 022 Mathematics (Sec.) | 7 | ** | 6 | ** | 4 | ** |
| 023 French | 3 | ** | 3 | ** | 1 | ** |
| 024 German | 0 | ** | 0 | ** | 0 | ** |
| 028 Spanish | 7 | ** | 4 | ** | 4 | ** |
| 039 Music Education | 0 | ** | 0 | ** | 0 | ** |
| 043 Health | 13 | 100.0 | 14 | 85.7 | 9 | ** |
| 044 Physical Education | 14 | 100.0 | 16 | 100.0 | 14 | 85.7 |
| 083 Elementary Education | 18 | 100.0 | 18 | 100.0 | 23 | 100.0 |
| 089 Mathematics (Elem.) | 0 | ** | 2 | ** | 2 | ** |
| 093 Integrated Science (Elem.) | 2 | ** | 3 | ** | 3 | ** |
| 099 Music | 5 | ** | 8 | ** | 11 | 100.0 |
| Total | 127 | 94.5 | 145 | 89.0 | 123 | 92.7 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Alma College | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|--|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 15 | 100.0 | 19 | 100.0 | 22 | 90.9 |
| 009 History | 26 | 76.9 | 27 | 85.2 | 24 | 87.5 |
| 010 Political Science | 3 | ** | 3 | ** | 2 | ** |
| 011 Psychology | 0 | ** | 1 | ** | 2 | ** |
| 012 Sociology | 0 | ** | 1 | ** | 4 | ** |
| 017 Biology | 3 | ** | 4 | ** | 7 | ** |
| 018 Chemistry | 4 | ** | 3 | ** | 2 | ** |
| 019 Physics | 2 | ** | 4 | ** | 3 | ** |
| 022 Mathematics (Sec.) | 14 | 100.0 | 12 | 91.7 | 7 | ** |
| 023 French | 0 | ** | 0 | ** | 0 | ** |
| 024 German | 1 | ** | 1 | ** | 0 | ** |
| 028 Spanish | 11 | 72.7 | 10 | 60.0 | 8 | ** |
| 039 Music Education | 1 | ** | 3 | ** | 7 | ** |
| 044 Physical Education | 1 | ** | 0 | ** | 0 | ** |
| 082 Early Childhood Education | 33 | 100.0 | 36 | 100.0 | 27 | 100.0 |
| 083 Elementary Education | 59 | 96.6 | 49 | 98.0 | 43 | 97.7 |
| 084 Social Studies | 24 | 66.7 | 19 | 63.2 | 15 | 80.0 |
| 089 Mathematics (Elem.) | 20 | 90.0 | 16 | 87.5 | 4 | ** |
| 090 Language Arts | 28 | 85.7 | 19 | 89.5 | 6 | ** |
| 093 Integrated Science (Elem.) | 14 | 35.7 | 9 | ** | 4 | ** |
| 095 Visual Arts Education | 3 | ** | 5 | ** | 5 | ** |
| 098 Business, Management, Marketing, and Technology | 1 | ** | 1 | ** | 1 | ** |
| 099 Music | 23 | 100.0 | 13 | 100.0 | 8 | ** |
| 106 ECE-General & Special Ed. | 4 | ** | | | | |
| Total | 290 | 85.5 | 255 | 86.3 | 201 | 90.0 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Andrews University | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|--------------------------------|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 12 | 91.7 | 11 | 81.8 | 7 | ** |
| 005 Reading | 1 | ** | 1 | ** | 4 | ** |
| 009 History | 5 | ** | 3 | ** | 4 | ** |
| 010 Political Science | 1 | ** | 0 | ** | 0 | ** |
| 017 Biology | 3 | ** | 3 | ** | 1 | ** |
| 019 Physics | 2 | ** | 2 | ** | 1 | ** |
| 022 Mathematics (Sec.) | 6 | ** | 4 | ** | 4 | ** |
| 023 French | 0 | ** | 0 | ** | 1 | ** |
| 028 Spanish | 10 | 100.0 | 9 | ** | 12 | 91.7 |
| 039 Music Education | 1 | ** | 1 | ** | 1 | ** |
| 050 Computer Science | 1 | ** | 1 | ** | 0 | ** |
| 051 Guidance Counselor | 11 | 90.9 | 4 | ** | 3 | ** |
| 053 Fine Arts | 1 | ** | 1 | ** | | |
| 063 Learning Disabilities | 6 | ** | 2 | ** | 0 | ** |
| 083 Elementary Education | 29 | 100.0 | 23 | 100.0 | 23 | 95.7 |
| 084 Social Studies | 12 | 75.0 | 6 | ** | 12 | 58.3 |
| 086 English as a Second Lang. | 9 | ** | 7 | ** | 4 | ** |
| 089 Mathematics (Elem.) | 5 | ** | 5 | ** | 4 | ** |
| 090 Language Arts | 13 | 84.6 | 11 | 90.9 | 11 | 100.0 |
| 091 Communication Arts | 2 | ** | 2 | ** | 0 | ** |
| 093 Integrated Science (Elem.) | 3 | ** | 2 | ** | 2 | ** |
| 094 Integrated Science (Sec.) | 3 | ** | 3 | ** | 2 | ** |
| 095 Visual Arts Education | 4 | ** | | | | |
| 099 Music | 5 | ** | 7 | ** | 9 | ** |
| Total | 145 | 91.0 | 108 | 89.8 | 105 | 86.7 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Aquinas University | 2010-2013 | | 2009-2012 | | 2008–2011 | |
|--|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 31 | 96.8 | 32 | 96.9 | 26 | 92.3 |
| 004 Speech | 13 | 100.0 | 9 | ** | 10 | 90.0 |
| 005 Reading | 6 | ** | 6 | ** | 6 | ** |
| 008 Geography | 2 | ** | 2 | ** | 4 | ** |
| 009 History | 19 | 94.7 | 23 | 91.3 | 25 | 96.0 |
| 010 Political Science | 3 | ** | 4 | ** | 5 | ** |
| 011 Psychology | 0 | ** | 0 | ** | 2 | ** |
| 017 Biology | 8 | ** | 9 | ** | 10 | 70.0 |
| 018 Chemistry | 4 | ** | 4 | ** | 5 | ** |
| 019 Physics | 0 | ** | 0 | ** | 2 | ** |
| 022 Mathematics (Sec.) | 14 | 100.0 | 15 | 100.0 | 15 | 100.0 |
| 023 French | 2 | ** | 1 | ** | 1 | ** |
| 024 German | 0 | ** | 1 | ** | 2 | ** |
| 028 Spanish | 13 | 100.0 | 15 | 86.7 | 11 | 100.0 |
| 034 Business Administration | 0 | ** | 0 | ** | 3 | ** |
| 039 Music Education | 0 | ** | 1 | ** | 1 | ** |
| 042 Health, Physical Education, and Recreation | 0 | ** | 0 | ** | 3 | ** |
| 044 Physical Education | 12 | 100.0 | 13 | 100.0 | 12 | 91.7 |
| 050 Computer Science | 2 | ** | 1 | ** | 2 | ** |
| 058 Physical or Other Health Impairment | 0 | ** | 1 | ** | 3 | ** |
| 063 Learning Disabilities | 48 | 91.7 | 63 | 90.5 | 68 | 91.2 |
| 075 Bilingual: Spanish | 9 | ** | 12 | 100.0 | 11 | 100.0 |
| 082 Early Childhood Education | 40 | 95.0 | 60 | 96.7 | 47 | 97.9 |
| 083 Elementary Education | 86 | 96.5 | 97 | 100.0 | 99 | 100.0 |
| 084 Social Studies | 30 | 83.3 | 31 | 77.4 | 26 | 76.9 |
| 086 English as a Second Lang. | 40 | 97.5 | 62 | 95.2 | 66 | 97.0 |
| 089 Mathematics (Elem.) | 10 | 90.0 | 8 | ** | 11 | 90.9 |
| 090 Language Arts | 56 | 82.1 | 68 | 76.5 | 70 | 81.4 |
| 092 Reading Specialist | 2 | ** | 2 | ** | 2 | ** |
| 093 Integrated Science (Elem.) | 7 | ** | 3 | ** | 1 | ** |
| 095 Visual Arts Education | 6 | ** | 7 | ** | 8 | ** |
| 099 Music | 5 | ** | 4 | ** | 2 | ** |
| 106 ECE-General & Special Ed. | 3 | ** | | | | |
| Total | 471 | 92.4 | 554 | 91.5 | 565 | 92.0 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Baker College | 2010-2013 | | 2009-2012 | | 2008–2011 | |
|-------------------------------|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 37 | 73.0 | 61 | 77.0 | 68 | 82.4 |
| 009 History | 9 | ** | 14 | 85.7 | 22 | 77.3 |
| 017 Biology | 4 | ** | 2 | ** | 2 | ** |
| 018 Chemistry | 4 | ** | 7 | ** | 4 | ** |
| 022 Mathematics (Sec.) | 15 | 66.7 | 19 | 63.2 | 18 | 77.8 |
| 044 Physical Education | 0 | ** | 0 | ** | 1 | ** |
| 050 Computer Science | 1 | ** | 2 | ** | 9 | ** |
| 082 Early Childhood Education | 40 | 92.5 | 66 | 95.5 | 69 | 92.8 |
| 083 Elementary Education | 128 | 89.1 | 131 | 94.7 | 143 | 95.1 |
| 084 Social Studies | 64 | 71.9 | 84 | 76.2 | 85 | 71.8 |
| 089 Mathematics (Elem.) | 25 | 88.0 | 31 | 90.3 | 34 | 91.2 |
| 090 Language Arts | 55 | 69.1 | 59 | 74.6 | 59 | 66.1 |
| 106 ECE-General & Special Ed. | 11 | 72.7 | | | | |
| Total | 393 | 80.4 | 476 | 84.2 | 514 | 83.1 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Calvin College | 2010-2013 | | 2009-2012 | | 2008–2011 | |
|--|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 48 | 100.0 | 45 | 100.0 | 40 | 100.0 |
| 004 Speech | 8 | ** | 6 | ** | 6 | ** |
| 007 Economics | 2 | ** | 2 | ** | 1 | ** |
| 008 Geography | 6 | ** | 6 | ** | 3 | ** |
| 009 History | 29 | 96.6 | 37 | 91.9 | 41 | 92.7 |
| 010 Political Science | 2 | ** | 0 | ** | 3 | ** |
| 011 Psychology | 6 | ** | 5 | ** | 6 | ** |
| 012 Sociology | 0 | ** | 4 | ** | 4 | ** |
| 017 Biology | 8 | ** | 7 | ** | 9 | ** |
| 018 Chemistry | 4 | ** | 6 | ** | 7 | ** |
| 019 Physics | 4 | ** | 4 | ** | 6 | ** |
| 020 Earth/Space Science | 3 | ** | 4 | ** | 4 | ** |
| 022 Mathematics (Sec.) | 20 | 100.0 | 20 | 100.0 | 21 | 100.0 |
| 023 French | 10 | 60.0 | 8 | ** | 7 | ** |
| 024 German | 1 | ** | 2 | ** | 5 | ** |
| 026 Latin | 2 | ** | 0 | ** | 0 | ** |
| 028 Spanish | 54 | 96.3 | 52 | ** | 57 | ** |
| 039 Music Education | 0 | ** | 1 | ** | 1 | ** |
| 042 Health, Physical Education, and Recreation | 0 | ** | 0 | ** | 1 | ** |
| 043 Health | 25 | 96.0 | 42 | ** | 51 | ** |
| 044 Physical Education | 19 | 89.5 | 23 | ** | 29 | ** |
| 050 Computer Science | 2 | ** | 2 | ** | 1 | ** |
| 053 Fine Arts | 7 | ** | 9 | ** | 10 | 70.0 |
| 056 Cognitive Impairment | 38 | 92.1 | 43 | 95.3 | 45 | 91.1 |
| 063 Learning Disabilities | 6 | ** | 8 | ** | 12 | 100.0 |
| 075 Bilingual: Spanish | 5 | ** | 7 | ** | 6 | ** |
| 082 Early Childhood Education | 9 | ** | 11 | 100.0 | 12 | 100.0 |
| 083 Elementary Education | 198 | 97.5 | 178 | 100.0 | 187 | 100.0 |
| 084 Social Studies | 35 | 85.7 | 31 | 83.9 | 28 | 71.4 |
| 086 English as a Second Lang. | 26 | 88.5 | 20 | 90.0 | 14 | 92.9 |
| 089 Mathematics (Elem.) | 45 | 93.3 | 41 | 97.6 | 42 | 100.0 |
| 090 Language Arts | 45 | 86.7 | 47 | 89.4 | 52 | 92.3 |
| 093 Integrated Science (Elem.) | 57 | 80.7 | 58 | 75.9 | 57 | 73.7 |
| 094 Integrated Science (Sec.) | 12 | 66.7 | 13 | 92.3 | 14 | 92.9 |
| 095 Visual Arts Education | 9 | ** | 11 | 100.0 | 14 | 100.0 |

(Continued)

| Calvin College | 2010-2013 | | 2009-2012 | | 2008–2011 | |
|-------------------------------|------------|-------------|------------|-------------|------------|-------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 099 Music | 12 | 100.0 | 13 | 100.0 | 9 | ** |
| 106 ECE-General & Special Ed. | 7 | ** | | | | |
| Total | 764 | 92.9 | 766 | 94.3 | 809 | 94.1 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Central Michigan University | 2010-2013 | | 2009-2012 | | 2008–2011 | |
|--|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 142 | 85.9 | 164 | 87.8 | 176 | 90.3 |
| 004 Speech | 42 | 100.0 | 50 | 98.0 | 46 | 97.8 |
| 005 Reading | 141 | 76.6 | 187 | 74.9 | 235 | 76.6 |
| 008 Geography | 28 | 82.1 | 41 | 82.9 | 60 | 75.0 |
| 009 History | 191 | 89.0 | 233 | 87.1 | 262 | 83.2 |
| 017 Biology | 27 | 70.4 | 32 | 78.1 | 38 | 84.2 |
| 018 Chemistry | 8 | ** | 12 | 91.7 | 20 | 85.0 |
| 019 Physics | 5 | ** | 7 | ** | 11 | 90.9 |
| 020 Earth/Space Science | 12 | 41.7 | 18 | 55.6 | 28 | 64.3 |
| 022 Mathematics (Sec.) | 70 | 98.6 | 98 | 95.9 | 97 | 97.9 |
| 023 French | 7 | ** | 9 | ** | 7 | ** |
| 024 German | 2 | ** | 2 | ** | 4 | ** |
| 028 Spanish | 18 | 100.0 | 28 | 96.4 | 33 | 97.0 |
| 039 Music Education | 4 | ** | 25 | 88.0 | 47 | 93.6 |
| 040 Family & Consumer Sciences | 16 | 81.3 | 30 | 83.3 | 36 | 88.9 |
| 043 Health | 75 | 90.7 | 81 | 87.7 | 85 | 90.6 |
| 044 Physical Education | 97 | 87.6 | 127 | 87.4 | 128 | 89.8 |
| 046 Dance | 3 | ** | 9 | ** | 9 | ** |
| 051 Guidance Counselor | 49 | 91.8 | 48 | 87.5 | 70 | 82.9 |
| 056 Cognitive Impairment | 180 | 88.3 | 207 | 87.9 | 192 | 92.7 |
| 059 Emotional Impairment | 44 | 86.4 | 50 | 86.0 | 51 | 92.2 |
| 063 Learning Disabilities | 0 | ** | 0 | ** | 0 | ** |
| 064 Autism Spectrum Disorder | 3 | ** | 5 | ** | 2 | ** |
| 070 Bilingual: Spanish | 0 | ** | 0 | ** | 5 | ** |
| 075 Bilingual Education | 1 | ** | 2 | ** | 2 | ** |
| 082 Early Childhood Education | 292 | 95.9 | 416 | 96.4 | 343 | 95.3 |
| 083 Elementary Education | 794 | 97.2 | 882 | 97.8 | 838 | 98.8 |
| 084 Social Studies | 127 | 83.5 | 154 | 81.8 | 172 | 83.1 |
| 085 Middle Level | 73 | 98.6 | 81 | 95.1 | 76 | 97.4 |
| 086 English as a Second Lang. | 12 | 100.0 | 21 | 100.0 | 22 | 95.5 |
| 087 Industrial Technology | 13 | 92.3 | 19 | 89.5 | 25 | 92.0 |
| 089 Mathematics (Elem.) | 134 | 90.3 | 156 | 91.0 | 175 | 90.3 |
| 090 Language Arts | 328 | 78.7 | 332 | 76.2 | 267 | 77.9 |
| 092 Reading Specialist | 21 | 95.2 | 26 | 96.2 | 31 | 96.8 |
| 093 Integrated Science (Elem.) | 194 | 69.6 | 240 | 70.4 | 248 | 66.5 |
| 094 Integrated Science (Sec.) | 62 | 82.3 | 61 | 85.2 | 53 | 88.7 |
| 095 Visual Arts Education | 34 | 100.0 | 47 | 93.6 | 50 | 100.0 |
| 098 Business, Management, Marketing, and Technology | 12 | 91.7 | 14 | 78.6 | 14 | 85.7 |
| 099 Music | 73 | 100.0 | 42 | 100.0 | 18 | 100.0 |
| 106 ECE-General & Special Ed. | 4 | ** | | | | |
| Total | 3,338 | 89.1 | 4,000 | 88.9 | 4,385 | 90.1 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| College for Creative Studies | 2010-2013 | | 2009-2012 | | 2008–2011 | |
|-------------------------------------|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 095 Visual Arts Education | 28 | 92.9 | 34 | 94.1 | 28 | 92.9 |
| Total | 28 | 92.9 | 34 | 94.1 | 28 | 92.9 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Concordia University | 2010-2013 | | 2009-2012 | | 2008–2011 | |
|--------------------------------|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 16 | 81.3 | 14 | 85.7 | 13 | 92.3 |
| 004 Speech | 6 | ** | 5 | ** | 4 | ** |
| 009 History | 11 | 81.8 | 10 | 100.0 | 7 | ** |
| 011 Psychology | 5 | ** | 6 | ** | 8 | ** |
| 017 Biology | 2 | ** | 2 | ** | 4 | ** |
| 018 Chemistry | 0 | ** | 1 | ** | 2 | ** |
| 019 Physics | 0 | ** | 1 | ** | 1 | ** |
| 022 Mathematics (Sec.) | 9 | ** | 10 | 90.0 | 15 | 93.3 |
| 028 Spanish | 1 | ** | 3 | ** | 6 | ** |
| 039 Music Education | 1 | ** | 1 | ** | 2 | ** |
| 044 Physical Education | 10 | 90.0 | 11 | 72.7 | 12 | 75.0 |
| 082 Early Childhood Education | 7 | ** | 11 | 100.0 | 10 | 100.0 |
| 083 Elementary Education | 20 | 95.0 | 35 | 97.1 | 37 | 100.0 |
| 084 Social Studies | 10 | 90.0 | 13 | 92.3 | 10 | 90.0 |
| 089 Mathematics (Elem.) | 3 | ** | 4 | ** | 8 | ** |
| 090 Language Arts | 10 | 90.0 | 18 | 77.8 | 18 | 94.4 |
| 091 Communication Arts | 2 | ** | 2 | ** | 1 | ** |
| 093 Integrated Science (Elem.) | 3 | ** | 1 | ** | 3 | ** |
| 095 Visual Arts Education | 5 | ** | 3 | ** | 4 | ** |
| 099 Music | 5 | ** | 1 | ** | | |
| 106 ECE-General & Special Ed. | 4 | ** | | | | |
| Total | 130 | 82.3 | 152 | 86.2 | 165 | 89.7 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Cornerstone University | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|--------------------------------|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 27 | 85.2 | 35 | 88.6 | 41 | 92.7 |
| 004 Speech | 0 | ** | 2 | ** | 2 | ** |
| 005 Reading | 22 | 86.4 | 15 | 86.7 | 17 | 82.4 |
| 009 History | 17 | 76.5 | 18 | 72.2 | 18 | 88.9 |
| 011 Psychology | 4 | ** | 7 | ** | 7 | ** |
| 017 Biology | 3 | ** | 4 | ** | 4 | ** |
| 018 Chemistry | 6 | ** | 5 | ** | 4 | ** |
| 022 Mathematics (Sec.) | 8 | ** | 6 | ** | 4 | ** |
| 028 Spanish | 4 | ** | 5 | ** | 6 | ** |
| 039 Music Education | 2 | ** | 5 | ** | 12 | 83.3 |
| 043 Health | 1 | ** | 1 | ** | 3 | ** |
| 044 Physical Education | 10 | 90.0 | 11 | 72.7 | 18 | 77.8 |
| 053 Fine Arts | 1 | ** | 1 | ** | 1 | ** |
| 063 Learning Disabilities | 25 | 100.0 | 22 | 100.0 | 16 | 100.0 |
| 064 Autism Spectrum Disorder | 1 | ** | 1 | ** | 1 | ** |
| 082 Early Childhood Education | 13 | 100.0 | 18 | 100.0 | 17 | 100.0 |
| 083 Elementary Education | 95 | 94.7 | 73 | 98.6 | 90 | 98.9 |
| 084 Social Studies | 9 | ** | 12 | 100.0 | 17 | 82.4 |
| 086 English as a Second Lang. | 49 | 91.8 | 49 | 93.9 | 35 | 97.1 |
| 089 Mathematics (Elem.) | 11 | 100.0 | 8 | ** | 7 | ** |
| 090 Language Arts | 35 | 85.7 | 35 | 77.1 | 39 | 64.1 |
| 091 Communication Arts | 2 | ** | 4 | ** | 8 | ** |
| 093 Integrated Science (Elem.) | 7 | ** | 5 | ** | 6 | ** |
| 094 Integrated Science (Sec.) | 12 | 75.0 | 7 | ** | 9 | ** |
| 099 Music | 8 | ** | 6 | ** | 4 | ** |
| Total | 372 | 90.9 | 355 | 91.3 | 386 | 89.6 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Eastern Michigan University | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|---|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 159 | 91.8 | 171 | 86.0 | 173 | 87.3 |
| 004 Speech | 33 | 100.0 | 45 | 95.6 | 58 | 93.1 |
| 005 Reading | 134 | 79.9 | 164 | 80.5 | 160 | 79.4 |
| 007 Economics | 7 | ** | 9 | ** | 7 | ** |
| 008 Geography | 26 | 92.3 | 26 | 96.2 | 33 | 93.9 |
| 009 History | 202 | 81.7 | 194 | 87.1 | 209 | 88.0 |
| 010 Political Science | 19 | 84.2 | 28 | 92.9 | 30 | 86.7 |
| 011 Psychology | 40 | 80.0 | 45 | 68.9 | 34 | 79.4 |
| 012 Sociology | 0 | ** | 1 | ** | 5 | ** |
| 017 Biology | 50 | 88.0 | 48 | 87.5 | 49 | 83.7 |
| 018 Chemistry | 39 | 87.2 | 38 | 89.5 | 32 | 87.5 |
| 019 Physics | 24 | 91.7 | 22 | 90.9 | 23 | 95.7 |
| 020 Earth/Space Science | 24 | 58.3 | 23 | 34.8 | 25 | 48.0 |
| 022 Mathematics (Sec.) | 138 | 94.9 | 122 | 91.8 | 117 | 98.3 |
| 023 French | 5 | ** | 8 | ** | 5 | ** |
| 024 German | 4 | ** | 6 | ** | 4 | ** |
| 028 Spanish | 20 | 95.0 | 27 | 92.6 | 25 | 92.0 |
| 039 Music Education | 3 | ** | 4 | ** | 11 | 81.8 |
| 043 Health | 86 | 90.7 | 91 | 89.0 | 100 | 90.0 |
| 044 Physical Education | 99 | 89.9 | 92 | 89.1 | 93 | 87.1 |
| 050 Computer Science | 9 | ** | 12 | 100.0 | 9 | ** |
| 051 Guidance Counselor | 32 | 90.6 | 36 | 83.3 | 40 | 85.0 |
| 053 Fine Arts | 1 | ** | 1 | ** | 2 | ** |
| 056 Cognitive Impairment | 264 | 89.8 | 279 | 84.6 | 279 | 90.0 |
| 057 Speech & Language Impaired | 19 | 89.5 | 16 | 81.3 | 15 | 93.3 |
| 058 Physical or Other Health Impairment | 5 | ** | 7 | ** | 13 | 92.3 |
| 059 Emotional Impairment | 117 | 78.6 | 110 | 84.5 | 109 | 91.7 |
| 061 Visually Impaired | 7 | ** | 9 | ** | 7 | ** |
| 062 Hearing Impaired | 13 | 84.6 | 12 | 75.0 | 13 | 92.3 |
| 063 Learning Disabilities | 21 | 100.0 | 32 | 100.0 | 45 | 95.6 |
| 064 Autism Spectrum Disorder | 18 | 94.4 | 17 | 100.0 | 18 | 94.4 |
| 070 Bilingual Spanish | 0 | ** | 0 | ** | 1 | ** |
| 082 Early Childhood Education | 178 | 100.0 | 246 | 99.6 | 204 | 98.5 |
| 083 Elementary Education | 842 | 95.8 | 924 | 97.5 | 918 | 97.7 |
| 084 Social Studies | 229 | 83.4 | 234 | 84.2 | 261 | 81.6 |
| 086 English as a Second Lang. | 25 | 95.0 | 20 | 90.0 | 13 | 100.0 |

(Continued)

| Eastern Michigan University | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|--|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 087 Industrial Technology | 1 | ** | 2 | ** | 3 | ** |
| 088 Technology and Design | 5 | ** | 6 | ** | 5 | ** |
| 089 Mathematics (Elem.) | 183 | 85.2 | 213 | 83.6 | 216 | 84.3 |
| 090 Language Arts | 107 | 70.1 | 138 | 72.5 | 146 | 71.9 |
| 091 Communication Arts | 1 | ** | 1 | ** | 0 | ** |
| 092 Reading Specialist | 42 | 97.6 | 41 | 100.0 | 51 | 94.1 |
| 093 Integrated Science (Elem.) | 170 | 68.8 | 208 | 64.4 | 212 | 65.1 |
| 094 Integrated Science (Sec.) | 33 | 84.8 | 31 | 90.3 | 29 | 93.1 |
| 095 Visual Arts Education | 32 | 96.9 | 37 | 94.6 | 46 | 95.7 |
| 096 Physical Science | 1 | ** | 1 | ** | 0 | ** |
| 098 Business, Management, Marketing, and Technology | 17 | 94.1 | 17 | 82.4 | 18 | 94.4 |
| 099 Music | 50 | 100.0 | 55 | 100.0 | 40 | 100.0 |
| 100 Japanese | 3 | ** | 4 | ** | 1 | ** |
| 101 Chinese | 2 | ** | 7 | ** | 13 | 92.3 |
| 102 Arabic | 1 | ** | 1 | ** | 1 | ** |
| 106 ECE-General & Special Ed. | 55 | 94.5 | | | | |
| Total | 3,595 | 88.8 | 3,881 | 88.3 | 3,921 | 88.9 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Ferris State University | 2010-2013 | | 2009-2012 | | 2008–2011 | |
|--|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 22 | 81.8 | 31 | 83.9 | 34 | 73.5 |
| 004 Speech | 8 | ** | 9 | ** | 6 | ** |
| 005 Reading | 0 | ** | 1 | ** | 1 | ** |
| 008 Geography | 2 | ** | 1 | ** | 0 | ** |
| 009 History | 26 | 88.5 | 34 | 76.5 | 36 | 75.0 |
| 010 Political Science | 6 | ** | 7 | ** | 6 | ** |
| 017 Biology | 13 | 92.3 | 17 | 94.1 | 19 | 84.2 |
| 018 Chemistry | 11 | 81.8 | 10 | 90.0 | 8 | 87.5 |
| 019 Physics | 9 | ** | 9 | ** | 10 | 80.0 |
| 022 Mathematics (Sec.) | 32 | 100.0 | 41 | 97.6 | 44 | 97.7 |
| 028 Spanish | 3 | ** | 4 | ** | 5 | ** |
| 032 Business Education | 4 | ** | 5 | ** | 7 | ** |
| 033 Accounting | 0 | ** | 1 | ** | 1 | ** |
| 034 Business Administration | 0 | ** | 1 | ** | 1 | ** |
| 036 Marketing Education | 9 | ** | 8 | ** | 6 | ** |
| 043 Health | 1 | ** | 0 | ** | 0 | ** |
| 044 Physical Education | 7 | ** | 7 | ** | 6 | ** |
| 050 Computer Science | 0 | ** | 0 | ** | 1 | ** |
| 053 Fine Arts | 0 | ** | 1 | ** | 1 | ** |
| 056 Cognitive Impairment | 10 | 90.0 | 9 | ** | 10 | 90.0 |
| 059 Emotionally Impairment | 6 | ** | 12 | 83.3 | 15 | 80.0 |
| 063 Learning Disabilities | 25 | 100.0 | 30 | 100.0 | 31 | 96.8 |
| 064 Autism Spectrum Disorder | 10 | 100.0 | | | | |
| 082 Early Childhood Education | 57 | 87.7 | 72 | 90.3 | 51 | 94.1 |
| 083 Elementary Education | 176 | 96.0 | 179 | 95.5 | 173 | 95.4 |
| 084 Social Studies | 76 | 63.2 | 96 | 67.7 | 98 | 56.1 |
| 087 Industrial Technology | 1 | ** | 1 | ** | 1 | ** |
| 088 Technology and Design | 1 | ** | 1 | ** | 1 | ** |
| 089 Mathematics (Elem.) | 29 | 79.3 | 21 | 76.2 | 21 | 81.0 |
| 090 Language Arts | 65 | 63.1 | 65 | 66.2 | 80 | 70.0 |
| 092 Reading Specialist | 2 | ** | 2 | ** | 0 | ** |
| 093 Integrated Science (Elem.) | 33 | 48.5 | 43 | 51.2 | 42 | 61.9 |
| 095 Visual Arts Education | 35 | 100.0 | 38 | 94.7 | 41 | 95.1 |
| 098 Business, Management, Marketing, and Technology | 17 | 88.2 | 14 | 85.7 | 12 | 100.0 |
| 106 ECE-General & Special Ed. | 11 | 81.8 | | | | |
| Total | 707 | 84.2 | 770 | 83.6 | 768 | 82.4 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|--------------------------------|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| Finlandia University | | | | | | |
| 002 English | 2 | ** | 3 | ** | 5 | ** |
| 083 Elementary Education | 12 | 100.0 | 11 | 100.0 | 17 | 94.1 |
| 084 Social Studies | 1 | ** | 1 | ** | 2 | ** |
| 089 Mathematics (Elem.) | 4 | ** | 4 | ** | 7 | ** |
| 090 Language Arts | 0 | ** | 0 | ** | 2 | ** |
| 093 Integrated Science (Elem.) | 2 | ** | 2 | ** | 5 | ** |
| Total | 21 | 81.0 | 21 | 76.2 | 38 | 65.8 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Grand Valley State University | 2010-2013 | | 2009-2012 | | 2008–2011 | |
|--------------------------------------|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 169 | 95.9 | 168 | 96.4 | 162 | 95.1 |
| 005 Reading | 14 | 100.0 | 24 | 100.0 | 29 | 100.0 |
| 007 Economics | 9 | ** | 14 | 78.6 | 15 | 86.7 |
| 008 Geography | 12 | 91.7 | 16 | 93.8 | 15 | 100.0 |
| 009 History | 126 | 92.9 | 132 | 92.4 | 125 | 95.2 |
| 010 Political Science | 29 | 89.7 | 24 | 95.8 | 27 | 92.6 |
| 011 Psychology | 103 | 85.4 | 113 | 89.4 | 110 | 86.4 |
| 012 Sociology | 9 | ** | 13 | 100.0 | 11 | 72.7 |
| 017 Biology | 59 | 86.4 | 63 | 87.3 | 55 | 94.5 |
| 018 Chemistry | 31 | 83.9 | 32 | 90.6 | 34 | 91.2 |
| 019 Physics | 13 | 84.6 | 11 | 90.9 | 15 | 93.3 |
| 020 Earth/Space Science | 19 | 94.7 | 22 | 77.3 | 27 | 74.1 |
| 022 Mathematics (Sec.) | 122 | 97.5 | 122 | 97.5 | 119 | 98.3 |
| 023 French | 7 | ** | 6 | ** | 6 | ** |
| 024 German | 4 | ** | 7 | ** | 4 | ** |
| 026 Latin | 1 | ** | 1 | ** | 3 | ** |
| 028 Spanish | 72 | 95.8 | 70 | 94.3 | 66 | 93.9 |
| 039 Music Education | 12 | 100.0 | 28 | 96.4 | 30 | 96.7 |
| 043 Health | 55 | 94.5 | 60 | 90.0 | 48 | 95.8 |
| 044 Physical Education | 96 | 93.8 | 106 | 93.4 | 108 | 92.6 |
| 048 Library Media | 2 | ** | 2 | ** | 6 | ** |
| 050 Computer Science | 2 | ** | 5 | ** | 4 | ** |
| 051 Guidance Counselor | 64 | 87.5 | 77 | 89.6 | 76 | 82.9 |
| 056 Cognitive Impairment | 207 | 94.2 | 222 | 90.5 | 252 | 92.5 |
| 059 Emotional Impairment | 168 | 86.3 | 179 | 84.9 | 189 | 89.4 |
| 063 Learning Disabilities | 49 | 95.9 | 41 | 97.6 | 50 | 94.0 |
| 064 Autism Spectrum Disorder | 7 | ** | 0 | ** | 0 | ** |
| 082 Early Childhood Education | 85 | 97.6 | 145 | 97.2 | 183 | 98.4 |
| 083 Elementary Education | 825 | 96.4 | 766 | 98.7 | 863 | 99.2 |
| 084 Social Studies | 275 | 76.7 | 270 | 81.1 | 283 | 79.5 |
| 085 Middle Level | 0 | ** | 1 | ** | 1 | ** |
| 086 English as a Second Lang. | 33 | 93.9 | 24 | 91.7 | 32 | 96.9 |
| 089 Mathematics (Elem.) | 64 | 98.4 | 61 | 98.4 | 53 | 100.0 |
| 090 Language Arts | 200 | 90.0 | 200 | 92.5 | 235 | 91.5 |
| 092 Reading Specialist | 33 | 97.0 | 48 | 97.9 | 43 | 97.7 |
| 093 Integrated Science (Elem.) | 104 | 87.5 | 116 | 88.8 | 123 | 87.8 |
| 094 Integrated Science (Sec.) | 13 | 100.0 | 12 | 100.0 | 14 | 92.9 |
| 095 Visual Arts Education | 25 | 100.0 | 24 | 100.0 | 30 | 100.0 |
| 099 Music | 38 | 97.4 | 22 | 100.0 | 16 | 100.0 |
| 106 ECE-General & Special Ed. | 43 | 97.7 | | | | |
| Total | 3,199 | 92.1 | 3,247 | 93.0 | 3,462 | 93.3 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Hillsdale College | 2010-2013 | | 2009-2012 | | 2008–2011 | |
|---|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 10 | 80.0 | 7 | ** | 7 | ** |
| 004 Speech | 4 | ** | 2 | ** | 1 | ** |
| 009 History | 8 | ** | 7 | ** | 7 | ** |
| 017 Biology | 6 | ** | 6 | ** | 5 | ** |
| 018 Chemistry | 1 | ** | 2 | ** | 2 | ** |
| 022 Mathematics (Sec.) | 8 | ** | 7 | ** | 8 | ** |
| 023 French | 1 | ** | 2 | ** | 3 | ** |
| 024 German | 2 | ** | 1 | ** | 0 | ** |
| 028 Spanish | 2 | ** | 2 | ** | 3 | ** |
| 042 Health, Physical Education, and Recreation | 0 | ** | 1 | ** | 1 | ** |
| 044 Physical Education | 13 | 61.5 | 12 | 66.7 | 12 | 58.3 |
| 082 Early Childhood Education | 8 | ** | 10 | 100.0 | 11 | 100.0 |
| 083 Elementary Education | 20 | 100.0 | 17 | 100.0 | 18 | 94.4 |
| 089 Mathematics (Elem.) | 2 | ** | 2 | ** | 2 | ** |
| 093 Integrated Science (Elem.) | 5 | ** | 4 | ** | 4 | ** |
| 106 ECE-General & Special Ed. | 3 | ** | | | | |
| Total | 93 | 83.9 | 82 | 81.7 | 84 | 83.3 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Hope College | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|--------------------------------|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 41 | 92.7 | 46 | 95.7 | 53 | 96.2 |
| 009 History | 18 | 94.4 | 16 | 100.0 | 15 | 100.0 |
| 010 Political Science | 5 | ** | 6 | ** | 7 | ** |
| 011 Psychology | 13 | 100.0 | 12 | 100.0 | 16 | 100.0 |
| 017 Biology | 9 | ** | 8 | ** | 8 | ** |
| 018 Chemistry | 7 | ** | 8 | ** | 5 | ** |
| 019 Physics | 3 | ** | 3 | ** | 2 | ** |
| 020 Earth/Space Science | 4 | ** | 3 | ** | 5 | ** |
| 022 Mathematics (Sec.) | 14 | 100.0 | 15 | 100.0 | 20 | 100.0 |
| 023 French | 5 | ** | 3 | ** | 4 | ** |
| 024 German | 0 | ** | 0 | ** | 0 | ** |
| 026 Latin | 1 | ** | 1 | ** | 2 | ** |
| 028 Spanish | 34 | 100.0 | 23 | 100.0 | 21 | 100.0 |
| 039 Music Education | 0 | ** | 1 | ** | 1 | ** |
| 043 Health | 18 | 94.4 | 19 | 94.7 | 14 | 100.0 |
| 044 Physical Education | 22 | 95.5 | 24 | 95.8 | 28 | 100.0 |
| 046 Dance | 16 | 100.0 | 20 | 100.0 | 18 | 100.0 |
| 053 Fine Arts | 1 | ** | 3 | ** | 8 | ** |
| 059 Emotional Impairment | 23 | 82.6 | 21 | 85.7 | 17 | 94.1 |
| 063 Learning Disabilities | 74 | 97.3 | 78 | 94.9 | 55 | 96.4 |
| 083 Elementary Education | 201 | 99.5 | 228 | 100.0 | 197 | 100.0 |
| 084 Social Studies | 33 | 87.9 | 37 | 81.1 | 24 | 83.3 |
| 089 Mathematics (Elem.) | 27 | 85.2 | 37 | 91.9 | 41 | 92.7 |
| 090 Language Arts | 49 | 89.8 | 57 | 87.7 | 53 | 92.5 |
| 093 Integrated Science (Elem.) | 10 | 100.0 | 11 | 100.0 | 12 | 100.0 |
| 095 Visual Arts Education | 5 | ** | 3 | ** | 2 | ** |
| 099 Music | 16 | 100.0 | 13 | 95.3 | 14 | 100 |
| Total | 649 | 94.8 | 642 | 96.6 | 642 | 96.6 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Lake Superior State University | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|--|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 12 | 66.7 | 15 | 60.0 | 17 | 58.8 |
| 004 Speech | 0 | ** | 0 | ** | 1 | ** |
| 007 Economics | 1 | ** | 3 | ** | 4 | ** |
| 008 Geography | 2 | ** | 3 | ** | 3 | ** |
| 009 History | 7 | ** | 11 | 45.5 | 14 | 35.7 |
| 010 Political Science | 1 | ** | 3 | ** | 2 | ** |
| 012 Sociology | 3 | ** | 3 | ** | 2 | ** |
| 017 Biology | 3 | ** | 3 | ** | 1 | ** |
| 018 Chemistry | 1 | ** | 1 | ** | 2 | ** |
| 020 Earth/Space Science | 4 | ** | 4 | ** | 2 | ** |
| 022 Mathematics (Sec.) | 12 | 100.0 | 9 | ** | 12 | 91.7 |
| 023 French | 3 | ** | 2 | ** | 3 | ** |
| 028 Spanish | 1 | ** | 0 | ** | 1 | ** |
| 050 Computer Science | 1 | ** | 0 | ** | 0 | ** |
| 082 Early Childhood Education | 3 | ** | 4 | ** | 4 | ** |
| 083 Elementary Education | 49 | 100.0 | 53 | 100.0 | 59 | 96.6 |
| 084 Social Studies | 28 | 60.7 | 30 | 63.3 | 28 | 60.7 |
| 089 Mathematics (Elem.) | 13 | 84.6 | 14 | 85.7 | 13 | 100.0 |
| 090 Language Arts | 1 | ** | 1 | ** | 0 | ** |
| 093 Integrated Science (Elem.) | 19 | 73.7 | 19 | 68.4 | 10 | 50.0 |
| 094 Integrated Science (Sec.) | 1 | ** | 0 | ** | 0 | ** |
| 097 Physical Science | 4 | ** | 0 | ** | 0 | ** |
| 098 Business, Management, Marketing, and Technology | 0 | ** | 2 | ** | 2 | ** |
| Total | 169 | 81.1 | 180 | 77.2 | 180 | 75.6 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Madonna University | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|--------------------------------|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 20 | 85.0 | 34 | 88.2 | 36 | 86.1 |
| 003 Journalism | 1 | ** | 1 | ** | 1 | ** |
| 004 Speech | 4 | ** | 4 | ** | 7 | ** |
| 009 History | 9 | ** | 9 | ** | 15 | 86.7 |
| 010 Political Science | 4 | ** | 4 | ** | 4 | ** |
| 012 Sociology | 0 | ** | 0 | ** | 2 | ** |
| 017 Biology | 7 | ** | 7 | ** | 7 | ** |
| 018 Chemistry | 1 | ** | 1 | ** | 0 | ** |
| 019 Physics | 1 | ** | 0 | ** | 0 | ** |
| 022 Mathematics (Sec.) | 3 | ** | 7 | ** | 8 | ** |
| 028 Spanish | 4 | ** | 7 | ** | 7 | ** |
| 039 Music Education | 0 | ** | 2 | ** | 2 | ** |
| 040 Family & Consumer Sciences | 5 | ** | 12 | 91.7 | 17 | 82.4 |
| 044 Physical Education | 2 | ** | 2 | ** | 2 | ** |
| 050 Computer Science | 0 | ** | 1 | ** | 1 | ** |
| 063 Learning Disabilities | 50 | 96.0 | 61 | 95.1 | 77 | 98.7 |
| 064 Autism Spectrum Disorder | 104 | 98.1 | 112 | 98.2 | 91 | 97.8 |
| 082 Early Childhood Education | 11 | 100.0 | 17 | 100.0 | 24 | 95.8 |
| 083 Elementary Education | 67 | 95.5 | 83 | 98.8 | 84 | 98.8 |
| 084 Social Studies | 21 | 66.7 | 25 | 72.0 | 26 | 76.9 |
| 086 English as a Second Lang. | 10 | 100.0 | 6 | ** | 7 | ** |
| 089 Mathematics (Elem.) | 18 | 88.9 | 18 | 88.9 | 17 | 88.2 |
| 090 Language Arts | 19 | 68.4 | 26 | 65.4 | 30 | 70.0 |
| 091 Communication Arts | 2 | ** | 6 | ** | 5 | ** |
| 092 Reading Specialist | 43 | 90.7 | 31 | 96.8 | 20 | 90.0 |
| 093 Integrated Science (Elem.) | 12 | 50.0 | 13 | 61.5 | 11 | 72.7 |
| 094 Integrated Science (Sec.) | 6 | ** | 8 | ** | 9 | ** |
| 095 Visual Arts Education | 6 | ** | 10 | 100.0 | 8 | ** |
| 099 Music | 0 | ** | 2 | ** | 2 | ** |
| 106 ECE-General & Special Ed. | 2 | ** | | | | |
| Total | 432 | 89.6 | 509 | 91.0 | 520 | 91.2 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Marygrove College | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|--------------------------------|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 2 | ** | 5 | ** | 5 | ** |
| 009 History | 2 | ** | 1 | ** | 1 | ** |
| 010 Political Science | 0 | ** | 0 | ** | 0 | ** |
| 011 Psychology | 0 | ** | 0 | ** | 0 | ** |
| 017 Biology | 1 | ** | 2 | ** | 2 | ** |
| 018 Chemistry | 0 | ** | 0 | ** | 0 | ** |
| 022 Mathematics (Sec.) | 6 | ** | 3 | ** | 4 | ** |
| 039 Music Education | 1 | ** | 1 | ** | 1 | ** |
| 050 Computer Science | 1 | ** | 0 | ** | 1 | ** |
| 063 Learning Disabilities | 7 | ** | 7 | ** | 8 | ** |
| 082 Early Childhood Education | 0 | ** | 0 | ** | 0 | ** |
| 083 Elementary Education | 17 | 76.5 | 14 | 92.9 | 7 | ** |
| 084 Social Studies | 0 | ** | 0 | ** | 2 | ** |
| 089 Mathematics (Elem.) | 6 | ** | 5 | ** | 6 | ** |
| 090 Language Arts | 2 | ** | 3 | ** | 4 | ** |
| 093 Integrated Science (Elem.) | 0 | ** | 0 | ** | 0 | ** |
| 095 Visual Arts Education | 1 | ** | 1 | ** | 1 | ** |
| 099 Music | 1 | ** | 2 | ** | 1 | ** |
| 106 ECE-General & Special Ed. | 1 | ** | | | | |
| Total | 48 | 70.8 | 44 | 90.9 | 43 | 81.4 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Michigan State University | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|----------------------------------|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 220 | 91.4 | 199 | 93.0 | 204 | 95.6 |
| 003 Journalism | 18 | 61.1 | 18 | 66.7 | 20 | 75.0 |
| 005 Reading | 2 | ** | | | | |
| 007 Economics | 11 | 54.5 | 7 | ** | 5 | ** |
| 008 Geography | 29 | 82.8 | 41 | 82.9 | 60 | 86.7 |
| 009 History | 198 | 86.4 | 175 | 85.7 | 145 | 85.5 |
| 010 Political Science | 20 | 95.0 | 18 | 94.4 | 15 | 93.3 |
| 011 Psychology | 36 | 75.0 | 32 | 78.1 | 34 | 85.3 |
| 012 Sociology | 12 | 91.7 | 10 | 90.0 | 11 | 72.7 |
| 013 Anthropology | 2 | ** | 3 | ** | 3 | ** |
| 017 Biology | 76 | 92.1 | 73 | 90.4 | 62 | 91.9 |
| 018 Chemistry | 70 | 87.1 | 67 | 58.2 | 62 | 74.2 |
| 019 Physics | 24 | 91.7 | 26 | 88.5 | 18 | 94.4 |
| 020 Earth/Space Science | 7 | ** | 9 | ** | 15 | 86.7 |
| 022 Mathematics (Sec.) | 137 | 98.5 | 136 | 98.5 | 115 | 100.0 |
| 023 French | 18 | 72.2 | 15 | 66.7 | 18 | 77.8 |
| 024 German | 10 | 80.0 | 11 | 81.8 | 12 | 75.0 |
| 027 Russian | 1 | ** | 1 | ** | 0 | ** |
| 028 Spanish | 111 | 88.3 | 100 | 85.0 | 73 | 84.9 |
| 037 Agricultural Education | 16 | 100.0 | 10 | 100.0 | 10 | 100.0 |
| 039 Music Education | 0 | ** | 0 | ** | 5 | ** |
| 044 Physical Education | 4 | ** | 12 | 100.0 | 20 | 95.0 |
| 049 Environmental Studies | 1 | ** | 2 | ** | 11 | 63.6 |
| 050 Computer Science | 3 | ** | 4 | ** | 3 | ** |
| 051 Guidance Counselor | 11 | 100.0 | 15 | 93.3 | 15 | 93.3 |
| 057 Speech & Language Impaired | 12 | 83.3 | 13 | 84.6 | 9 | ** |
| 059 Emotional Impairment | 7 | ** | 12 | 100.0 | 17 | 94.1 |
| 062 Hearing Impaired | 29 | 100.0 | 32 | 100.0 | 30 | 100.0 |
| 063 Learning Disabilities | 178 | 98.3 | 166 | 98.8 | 175 | 98.9 |
| 064 Autism Spectrum Disorder | 31 | 100.0 | 22 | 100.0 | 1 | ** |
| 082 Early Childhood Education | 51 | 100.0 | 65 | 100.0 | 62 | 98.4 |
| 083 Elementary Education | 864 | 98.8 | 833 | 100.0 | 816 | 99.8 |
| 084 Social Studies | 363 | 81.5 | 309 | 77.3 | 303 | 75.9 |
| 086 English as a Second Lang. | 178 | 90.4 | 128 | 91.4 | 70 | 95.7 |
| 089 Mathematics (Elem.) | 118 | 98.3 | 83 | 96.4 | 55 | 96.4 |
| 090 Language Arts | 381 | 88.2 | 324 | 87.0 | 299 | 84.9 |

(Continued)

| Michigan State University | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|--|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 091 Communication Arts | 1 | ** | 1 | ** | 0 | ** |
| 092 Reading Specialist | 11 | 81.8 | 10 | 100.0 | 7 | ** |
| 093 Integrated Science (Elem.) | 48 | 95.8 | 44 | 97.7 | 45 | 97.8 |
| 094 Integrated Science (Sec.) | 70 | 95.7 | 59 | 93.2 | 45 | 91.1 |
| 095 Visual Arts Education | 35 | 94.3 | 31 | 93.5 | 23 | 100.0 |
| 097 Physical Science | 5 | ** | 3 | ** | 5 | ** |
| 098 Business, Management, Marketing, and Technology | 1 | ** | 1 | ** | 1 | ** |
| 099 Music | 70 | 98.6 | 46 | 95.7 | 25 | 100.0 |
| 100 Japanese | 11 | 90.9 | 13 | 92.3 | 9 | ** |
| 101 Chinese | 63 | 96.8 | 54 | 98.1 | 33 | 97.0 |
| 102 Arabic | 3 | ** | 3 | ** | 1 | ** |
| 106 ECE-General & Special Ed. | 23 | 100.0 | | | | |
| Total | 3,590 | 92.3 | 3,237 | 92.1 | 2,967 | 91.8 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Michigan Technological University | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|--|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 2 | ** | 7 | ** | 10 | 90.0 |
| 007 Economics | 1 | ** | 0 | ** | 1 | ** |
| 017 Biology | 6 | ** | 7 | ** | 14 | 100.0 |
| 018 Chemistry | 7 | ** | 7 | ** | 7 | ** |
| 019 Physics | 12 | 100.0 | 8 | ** | 6 | ** |
| 020 Earth/Space Science | 4 | ** | 2 | ** | 6 | ** |
| 022 Mathematics (Sec.) | 23 | 100.0 | 21 | 100.0 | 15 | 100.0 |
| 050 Computer Science | 2 | ** | 2 | ** | 1 | ** |
| 084 Social Studies | 6 | ** | 5 | ** | 6 | ** |
| 094 Integrated Science (Sec.) | 8 | ** | 7 | ** | 7 | ** |
| Total | 71 | 95.8 | 66 | 92.4 | 73 | 90.4 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Northern Michigan University | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|-------------------------------------|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 70 | 92.9 | 60 | 91.7 | 68 | 94.1 |
| 003 Journalism | 8 | ** | 6 | ** | 7 | ** |
| 005 Reading | 12 | 83.3 | 8 | ** | 7 | ** |
| 007 Economics | 9 | ** | 6 | ** | 3 | ** |
| 008 Geography | 11 | 100.0 | 12 | 100.0 | 13 | 100.0 |
| 009 History | 52 | 76.9 | 49 | 87.8 | 57 | 87.7 |
| 010 Political Science | 5 | ** | 8 | ** | 12 | 75.0 |
| 017 Biology | 19 | 94.7 | 15 | 93.3 | 13 | 100.0 |
| 018 Chemistry | 10 | 80.0 | 9 | ** | 11 | 72.7 |
| 019 Physics | 6 | ** | 7 | ** | 6 | ** |
| 020 Earth/Space Science | 7 | ** | 5 | ** | 8 | ** |
| 022 Mathematics (Sec.) | 29 | 100.0 | 30 | 100.0 | 33 | 97.0 |
| 023 French | 2 | ** | 2 | ** | 2 | ** |
| 024 German | 4 | ** | 7 | ** | 4 | ** |
| 028 Spanish | 18 | 88.9 | 24 | 91.7 | 21 | 90.5 |
| 032 Business Education | 0 | ** | 0 | ** | 1 | ** |
| 043 Health | 20 | 100.0 | 22 | 100.0 | 29 | 100.0 |
| 044 Physical Education | 46 | 91.3 | 42 | 92.9 | 49 | 91.8 |
| 051 Guidance Counselor | 1 | ** | 1 | ** | 1 | ** |
| 056 Cognitive Impairment | 25 | 88.0 | 25 | 96.0 | 25 | 96.0 |
| 059 Emotional Impairment | 25 | 92.0 | 18 | 94.4 | 19 | 89.5 |
| 063 Learning Disabilities | 32 | 96.9 | 30 | 96.7 | 30 | 93.3 |
| 064 Autism Spectrum Disorder | 0 | ** | 1 | ** | 1 | ** |
| 082 Early Childhood Education | 3 | ** | 4 | ** | 4 | ** |
| 083 Elementary Education | 165 | 98.8 | 151 | 100.0 | 145 | 100.0 |
| 084 Social Studies | 74 | 85.1 | 64 | 76.6 | 57 | 87.7 |
| 087 Industrial Technology | 6 | ** | 8 | ** | 8 | ** |
| 089 Mathematics (Elem.) | 36 | 97.2 | 40 | 100.0 | 45 | 100.0 |
| 090 Language Arts | 44 | 88.6 | 47 | 91.5 | 46 | 97.8 |
| 092 Reading Specialist | 10 | 90.0 | 8 | ** | 7 | ** |
| 093 Integrated Science (Elem.) | 62 | 69.4 | 61 | 73.8 | 57 | 64.9 |
| 094 Integrated Science (Sec.) | 16 | 93.8 | 16 | 93.8 | 18 | 100.0 |
| 095 Visual Arts Education | 12 | 100.0 | 11 | 90.9 | 16 | 100.0 |
| 099 Music | 6 | ** | 9 | 91.7 | 14 | 100.0 |
| Total | 845 | 90.4 | 806 | 91.7 | 837 | 92.1 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Oakland University | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|--------------------------------|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 90 | 88.9 | 93 | 90.3 | 84 | 89.3 |
| 004 Speech | 0 | ** | 1 | ** | 1 | ** |
| 005 Reading | 6 | ** | 7 | ** | 6 | ** |
| 007 Economics | 2 | ** | 3 | ** | 3 | ** |
| 008 Geography | 1 | ** | 1 | ** | | |
| 009 History | 87 | 83.9 | 99 | 90.9 | 102 | 88.2 |
| 010 Political Science | 12 | 75.0 | 17 | 76.5 | 22 | 81.8 |
| 012 Sociology | 15 | 73.3 | 17 | 94.1 | 24 | 95.8 |
| 017 Biology | 25 | 68.0 | 27 | 66.7 | 20 | 75.0 |
| 018 Chemistry | 12 | 50.0 | 14 | 78.6 | 19 | 78.9 |
| 019 Physics | 18 | 88.9 | 23 | 87.0 | 18 | 88.9 |
| 022 Mathematics (Sec.) | 45 | 86.7 | 52 | 82.7 | 42 | 90.5 |
| 023 French | 8 | ** | 9 | ** | 12 | 50.0 |
| 024 German | 2 | ** | 3 | ** | 5 | ** |
| 028 Spanish | 44 | 84.1 | 59 | 74.6 | 65 | 80.0 |
| 039 Music Education | 3 | ** | 13 | 92.3 | 24 | 91.7 |
| 046 Dance | 3 | ** | 1 | ** | 1 | ** |
| 051 Guidance Counselor | 75 | 85.3 | 99 | 79.8 | 103 | 77.7 |
| 056 Cognitive Impairment | 1 | ** | 1 | ** | 1 | ** |
| 059 Emotional Impairment | 21 | ** | 25 | 84.0 | 32 | 75.0 |
| 063 Learning Disabilities | 35 | ** | 53 | 94.3 | 66 | 95.5 |
| 064 Autism Spectrum Disorder | 154 | 96.8 | 152 | 96.1 | 146 | 97.3 |
| 082 Early Childhood Education | 58 | 98.3 | 106 | 99.1 | 94 | 100.0 |
| 083 Elementary Education | 655 | 94.7 | 616 | 97.7 | 616 | 96.9 |
| 084 Social Studies | 218 | 62.4 | 226 | 58.0 | 215 | 59.5 |
| 086 English as a Second Lang. | 25 | 88.0 | 35 | 88.6 | 36 | 94.4 |
| 087 Industrial Technology | 1 | ** | 1 | ** | 1 | ** |
| 089 Mathematics (Elem.) | 196 | 85.2 | 217 | 85.3 | 223 | 86.1 |
| 090 Language Arts | 531 | 80.6 | 518 | 79.7 | 517 | 82.2 |
| 092 Reading Specialist | 116 | 95.7 | 109 | 95.4 | 110 | 93.6 |
| 093 Integrated Science (Elem.) | 111 | 66.7 | 98 | 72.4 | 86 | 77.9 |
| 094 Integrated Science (Sec.) | 46 | 80.4 | 40 | 80.0 | 24 | 95.8 |
| 095 Visual Arts Education | 32 | 87.5 | 28 | 89.3 | 30 | 93.3 |
| 099 Music | 26 | 100.0 | 19 | 100.0 | 7 | ** |
| 100 Japanese | 1 | ** | 1 | ** | | |
| 102 Arabic | 1 | ** | 1 | ** | | |
| 106 ECE-General & Special Ed. | 5 | ** | | | | |
| Total | 2,681 | 85.1 | 2,784 | 85.7 | 2,756 | 86.7 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Olivet College | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|--|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 10 | 30.0 | 11 | 27.3 | 12 | 41.7 |
| 004 Speech | 2 | ** | 6 | ** | 9 | ** |
| 009 History | 8 | ** | 12 | 91.7 | 9 | ** |
| 010 Political Science | 4 | ** | 5 | ** | 4 | ** |
| 017 Biology | 1 | ** | 2 | ** | 2 | ** |
| 018 Chemistry | 0 | ** | 1 | ** | 2 | ** |
| 022 Mathematics (Sec.) | 9 | ** | 13 | 92.3 | 14 | 100.0 |
| 039 Music Education | 0 | ** | 3 | ** | 4 | ** |
| 042 Health, Physical Education, and Recreation | 0 | ** | 3 | ** | 6 | ** |
| 043 Health | 8 | ** | 4 | ** | 3 | ** |
| 044 Physical Education | 20 | 70.0 | 22 | 77.3 | 25 | 80.0 |
| 059 Emotional Impairment | 19 | 57.9 | 11 | 70.0 | 19 | 73.7 |
| 063 Learning Disabilities | 12 | 91.7 | 6 | ** | 1 | ** |
| 083 Elementary Education | 35 | 94.3 | 43 | 97.7 | 52 | 98.1 |
| 084 Social Studies | 12 | 58.3 | 16 | 75.0 | 18 | 61.1 |
| 089 Mathematics (Elem.) | 3 | ** | 7 | ** | 14 | 85.7 |
| 090 Language Arts | 1 | ** | 3 | ** | 1 | ** |
| 093 Integrated Science (Elem.) | 10 | 60.0 | 19 | 52.6 | 22 | 45.5 |
| 094 Integrated Science (Sec.) | 4 | ** | 4 | ** | 5 | ** |
| 095 Visual Arts Education | 5 | ** | 5 | ** | 4 | ** |
| 098 Business, Management, Marketing, and Technology | 1 | ** | 2 | ** | 2 | ** |
| 099 Music | 6 | ** | 4 | ** | 3 | ** |
| Total | 170 | 76.5 | 211 | 77.3 | 231 | 76.2 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Robert B. Miller College | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|---------------------------------|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 005 Reading | 1 | ** | 2 | ** | 2 | ** |
| 039 Music Education | 0 | ** | 1 | ** | 1 | ** |
| 063 Learning Disabilities | 13 | 92.3 | 9 | ** | 6 | ** |
| 082 Early Childhood Education | 2 | ** | 6 | ** | 5 | ** |
| 083 Elementary Education | 32 | 90.6 | 29 | 100.0 | 24 | 100.0 |
| 084 Social Studies | 2 | ** | 6 | ** | 6 | ** |
| 089 Mathematics (Elem.) | 2 | ** | 2 | ** | 3 | ** |
| 090 Language Arts | 8 | ** | 10 | 80.0 | 7 | ** |
| 093 Integrated Science (Elem.) | 6 | ** | 2 | ** | 4 | ** |
| 106 ECE-General & Special Ed. | 6 | ** | | | | |
| Total | 72 | 84.7 | 67 | 92.5 | 58 | 94.8 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Rochester College | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|--------------------------------|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 2 | ** | 2 | ** | 2 | ** |
| 009 History | 2 | ** | 3 | ** | 4 | ** |
| 017 Biology | 6 | ** | 6 | ** | 6 | ** |
| 022 Mathematics (Sec.) | 2 | ** | 2 | ** | 2 | ** |
| 083 Elementary Education | 23 | 82.6 | 27 | 92.6 | 23 | 95.7 |
| 084 Social Studies | 11 | 72.7 | 11 | 63.6 | 5 | ** |
| 089 Mathematics (Elem.) | 7 | ** | 9 | ** | 7 | ** |
| 090 Language Arts | 8 | ** | 10 | 50.0 | 11 | 63.6 |
| 093 Integrated Science (Elem.) | 0 | ** | 1 | ** | 2 | ** |
| 099 Music | 2 | ** | 1 | ** | 0 | ** |
| Total | 63 | 74.6 | 72 | 72.2 | 62 | 80.6 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Saginaw Valley State Univ. | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|---|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 127 | 78.7 | 209 | 78.0 | 298 | 71.5 |
| 004 Speech | 13 | 100.0 | 11 | 100.0 | 14 | 92.9 |
| 005 Reading | 0 | ** | 1 | ** | 1 | ** |
| 007 Economics | 2 | ** | 3 | ** | 5 | ** |
| 008 Geography | 10 | 90.0 | 9 | ** | 9 | ** |
| 009 History | 87 | 77.0 | 95 | 82.1 | 108 | 79.6 |
| 010 Political Science | 18 | 72.2 | 25 | 68.0 | 33 | 57.6 |
| 011 Psychology | 0 | ** | 1 | ** | 14 | 78.6 |
| 012 Sociology | 0 | ** | 0 | ** | 5 | ** |
| 016 Science | 0 | ** | 0 | ** | 0 | ** |
| 017 Biology | 24 | 58.3 | 29 | 69.0 | 48 | 70.8 |
| 018 Chemistry | 21 | 85.7 | 23 | 82.6 | 29 | 72.4 |
| 019 Physics | 4 | ** | 8 | ** | 12 | 75 |
| 022 Mathematics (Sec.) | 47 | 100.0 | 60 | 95.0 | 77 | 90.9 |
| 023 French | 7 | ** | 6 | ** | 10 | 50.0 |
| 028 Spanish | 16 | 87.5 | 18 | 72.2 | 24 | 83.3 |
| 039 Music Education | 1 | ** | 4 | ** | 7 | ** |
| 042 Health, Physical Education, and Recreation | 0 | ** | 8 | ** | 23 | 78.3 |
| 043 Health | 1 | ** | 2 | ** | 2 | ** |
| 044 Physical Education | 43 | 93.0 | 52 | 86.5 | 50 | 76.0 |
| 046 Dance | 0 | ** | 0 | ** | 1 | ** |
| 050 Computer Science | 2 | ** | 2 | ** | 2 | ** |
| 056 Cognitive Impairment | 76 | 90.8 | 102 | 93.1 | 138 | 85.5 |
| 059 Emotional Impairment | 36 | 86.1 | 55 | 90.9 | 78 | 91.0 |
| 063 Learning Disabilities | 97 | 97.9 | 113 | 94.7 | 148 | 93.9 |
| 064 Autism Spectrum Disorder | 24 | 95.8 | 36 | 97.2 | 26 | 100.0 |
| 082 Early Childhood Education | 118 | 100.0 | 186 | 99.5 | 197 | 95.9 |
| 083 Elementary Education | 274 | 98.9 | 393 | 98.5 | 486 | 98.1 |
| 084 Social Studies | 142 | 66.9 | 199 | 71.4 | 254 | 69.3 |
| 085 Middle Level | 0 | ** | 2 | ** | 5 | ** |
| 086 English as a Second Lang. | 3 | ** | 5 | ** | 6 | ** |
| 087 Industrial Technology | 1 | ** | 3 | ** | 8 | ** |
| 089 Mathematics (Elem.) | 97 | 76.3 | 134 | 73.9 | 216 | 71.3 |
| 090 Language Arts | 15 | 60.0 | 15 | 53.3 | 11 | 54.5 |
| 091 Communication Arts | 3 | ** | 3 | ** | 3 | ** |
| 092 Reading Specialist | 66 | 87.9 | 56 | 91.1 | 44 | 97.7 |
| 093 Integrated Science (Elem.) | 61 | 72.1 | 82 | 58.5 | 116 | 58.6 |
| 094 Integrated Science (Sec.) | 1 | ** | 3 | ** | 3 | ** |
| 095 Visual Arts Education | 6 | ** | 9 | ** | 17 | 94.1 |
| 097 Physical Science | 1 | ** | 1 | ** | 1 | ** |
| 099 Music | 14 | 100.0 | 10 | 100.0 | 11 | 100.0 |
| 106 ECE-General & Special Ed. | 26 | 92.3 | | | | |
| Total | 1,484 | 86.5 | 1,973 | 85.9 | 2,540 | 82.6 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Siena Heights University | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|---------------------------------|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 7 | 72.7 | 14 | 78.6 | 22 | 86.4 |
| 009 History | 3 | ** | 4 | ** | 7 | ** |
| 017 Biology | 1 | ** | 2 | ** | 7 | ** |
| 018 Chemistry | 3 | ** | 4 | ** | 4 | ** |
| 022 Mathematics (Sec.) | 9 | ** | 10 | 100.0 | 15 | 100.0 |
| 028 Spanish | 2 | ** | 5 | ** | 10 | 70.0 |
| 032 Business Education | 0 | ** | 3 | ** | 4 | ** |
| 044 Physical Education | 3 | ** | 4 | ** | 4 | ** |
| 050 Computer Science | 3 | ** | 3 | ** | 3 | ** |
| 051 Guidance Counselor | 7 | ** | 9 | ** | 18 | 44.4 |
| 054 Humanities | 0 | ** | 1 | ** | 1 | ** |
| 056 Cognitive Impairment | 6 | ** | | | | |
| 063 Learning Disabilities | 15 | 93.3 | 21 | 90.5 | 19 | 89.5 |
| 082 Early Childhood Education | 5 | ** | 8 | ** | 10 | 100.0 |
| 083 Elementary Education | 38 | 97.4 | 43 | 97.7 | 39 | 100.0 |
| 084 Social Studies | 11 | 63.6 | 11 | 81.8 | 15 | 80.0 |
| 086 English as a Second Lang. | 2 | ** | 1 | ** | 1 | ** |
| 089 Mathematics (Elem.) | 4 | ** | 3 | ** | 2 | ** |
| 090 Language Arts | 8 | ** | 15 | 80.0 | 21 | 71.4 |
| 092 Reading Specialist | 4 | ** | 4 | ** | 6 | ** |
| 093 Integrated Science (Elem.) | 1 | ** | 1 | ** | 1 | ** |
| 094 Integrated Science (Sec.) | 0 | ** | 0 | ** | 1 | ** |
| 095 Visual Arts Education | 2 | ** | 2 | ** | 9 | ** |
| 097 Physical Science | 0 | ** | 0 | ** | 1 | ** |
| 106 ECE-General & Special Ed. | 4 | ** | | | | |
| Total | 142 | 83.1 | 167 | 86.8 | 220 | 82.7 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Spring Arbor University | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|--------------------------------|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 26 | 88.5 | 23 | 87.0 | 19 | 89.5 |
| 004 Speech | 2 | ** | 3 | ** | 3 | ** |
| 009 History | 6 | ** | 5 | ** | 10 | 90.0 |
| 010 Political Science | 4 | ** | 3 | ** | 3 | ** |
| 011 Psychology | 2 | ** | 4 | ** | 5 | ** |
| 017 Biology | 10 | 80.0 | 13 | 76.9 | 9 | ** |
| 018 Chemistry | 8 | ** | 5 | ** | 7 | ** |
| 019 Physics | 2 | ** | 2 | ** | 1 | ** |
| 022 Mathematics (Sec.) | 14 | 100.0 | 11 | 100.0 | 9 | ** |
| 023 French | 5 | ** | 2 | ** | | |
| 028 Spanish | 10 | 100.0 | 11 | 90.9 | 8 | ** |
| 039 Music Education | 0 | ** | 1 | ** | 6 | ** |
| 043 Health | 10 | 100.0 | 13 | 100.0 | 8 | ** |
| 044 Physical Education | 12 | 83.3 | 13 | 92.3 | 11 | 72.7 |
| 051 Guidance Counselor | 48 | 81.3 | 40 | 80.0 | 75 | 78.7 |
| 063 Learning Disabilities | 69 | 97.1 | 60 | 98.3 | 60 | 98.3 |
| 082 Early Childhood Education | 28 | 100.0 | 38 | 100.0 | 48 | 100.0 |
| 083 Elementary Education | 139 | 97.8 | 156 | 96.8 | 156 | 95.5 |
| 084 Social Studies | 59 | 79.7 | 71 | 70.4 | 73 | 65.8 |
| 086 English as a Second Lang. | 4 | ** | 2 | ** | | |
| 089 Mathematics (Elem.) | 14 | 92.9 | 14 | 78.6 | 14 | 85.7 |
| 090 Language Arts | 30 | 83.3 | 34 | 76.5 | 45 | 71.1 |
| 093 Integrated Science (Elem.) | 17 | 82.4 | 17 | 88.2 | 17 | 82.4 |
| 095 Visual Arts Education | 7 | ** | 5 | ** | 4 | ** |
| 099 Music | 3 | ** | 1 | ** | 0 | ** |
| 106 ECE-General & Special Ed. | 9 | ** | | | | |
| Total | 538 | 89.6 | 547 | 88.1 | 591 | 85.3 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| University of Detroit Mercy | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|------------------------------------|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 9 | ** | 6 | ** | 5 | ** |
| 007 Economics | 1 | ** | 1 | ** | 2 | ** |
| 009 History | 6 | ** | 6 | ** | 7 | ** |
| 010 Political Science | 0 | ** | 0 | ** | 2 | ** |
| 011 Psychology | 2 | ** | 3 | ** | 3 | ** |
| 012 Sociology | 0 | ** | 1 | ** | 1 | ** |
| 017 Biology | 2 | ** | 3 | ** | 2 | ** |
| 018 Chemistry | 1 | ** | 0 | ** | 0 | ** |
| 022 Mathematics (Sec.) | 9 | ** | 7 | ** | 10 | 80.0 |
| 023 French | 0 | ** | 0 | ** | 1 | ** |
| 050 Computer Science | 1 | ** | 0 | ** | 0 | ** |
| 051 Guidance Counselor | 1 | ** | 3 | ** | 9 | ** |
| 059 Emotional Impairment | 5 | ** | 4 | ** | 4 | ** |
| 063 Learning Disabilities | 11 | 81.8 | 8 | ** | 10 | 90.0 |
| 083 Elementary Education | 23 | 95.7 | 23 | 87.0 | 30 | 93.3 |
| 084 Social Studies | 9 | ** | 8 | ** | 12 | 83.3 |
| 089 Mathematics (Elem.) | 6 | ** | 5 | ** | 8 | ** |
| 090 Language Arts | 9 | ** | 8 | ** | 11 | 81.8 |
| 093 Integrated Science (Elem.) | 3 | ** | 1 | ** | 1 | ** |
| 094 Integrated Science (Sec.) | 3 | ** | 3 | ** | 2 | ** |
| Total | 101 | 80.2 | 90 | 86.7 | 141 | 80.1 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| University of Michigan | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|--------------------------------|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 150 | 98.0 | 146 | 95.9 | 138 | 97.8 |
| 007 Economics | 7 | ** | 15 | 66.7 | 18 | 72.2 |
| 009 History | 103 | 97.1 | 115 | 96.5 | 130 | 97.7 |
| 010 Political Science | 30 | 96.7 | 34 | 97.1 | 33 | 100.0 |
| 011 Psychology | 93 | 94.6 | 101 | 91.1 | 112 | 92.9 |
| 012 Sociology | 3 | ** | 6 | ** | 6 | ** |
| 013 Anthropology | 0 | ** | 0 | ** | 1 | ** |
| 017 Biology | 29 | 96.6 | 36 | 94.4 | 42 | 95.2 |
| 018 Chemistry | 27 | 100.0 | 30 | 100.0 | 30 | 96.7 |
| 019 Physics | 30 | 100.0 | 35 | 97.1 | 26 | 100.0 |
| 020 Earth/Space Science | 12 | 91.7 | 12 | 75.0 | 15 | 86.7 |
| 022 Mathematics (Sec.) | 100 | 100.0 | 107 | 100.0 | 112 | 99.1 |
| 023 French | 13 | 84.6 | 15 | 86.7 | 12 | 75.0 |
| 024 German | 11 | 72.7 | 11 | 72.7 | 11 | 63.6 |
| 026 Latin | 9 | ** | 8 | ** | 5 | ** |
| 028 Spanish | 55 | 98.2 | 59 | 96.6 | 56 | 96.4 |
| 029 Italian | 2 | ** | 2 | ** | 1 | ** |
| 039 Music Education | 0 | ** | 1 | ** | 8 | ** |
| 043 Health | 24 | 100.0 | 19 | 100.0 | 19 | 100.0 |
| 044 Physical Education | 25 | 92.0 | 22 | 95.5 | 23 | 100.0 |
| 048 Library Media | 8 | ** | 12 | 91.7 | 19 | 89.5 |
| 049 Environmental Studies | 0 | ** | 0 | ** | 2 | ** |
| 050 Computer Science | 5 | ** | 6 | ** | 6 | ** |
| 053 Fine Arts | 41 | 85.4 | 44 | 90.9 | 45 | 86.7 |
| 070 Bilingual Spanish | 0 | ** | 0 | ** | 1 | ** |
| 082 Early Childhood Education | 1 | ** | 1 | ** | 2 | ** |
| 083 Elementary Education | 237 | 99.6 | 214 | 100.0 | 257 | 99.6 |
| 084 Social Studies | 128 | 89.1 | 147 | 89.8 | 153 | 91.5 |
| 086 English as a Second Lang. | 40 | 97.5 | 46 | 97.8 | 54 | 98.1 |
| 087 Industrial Technology | 1 | ** | 1 | ** | 1 | ** |
| 089 Mathematics (Elem.) | 100 | 95.0 | 94 | 96.8 | 102 | 97.1 |
| 090 Language Arts | 169 | 94.1 | 172 | 95.9 | 186 | 96.8 |
| 092 Reading Specialist | 2 | ** | 3 | ** | 3 | ** |
| 093 Integrated Science (Elem.) | 48 | 85.4 | 49 | 83.7 | 58 | 79.3 |
| 094 Integrated Science (Sec.) | 10 | 90.0 | 13 | 92.3 | 16 | 100.0 |
| 099 Music | 47 | 100.0 | 39 | 100.0 | 40 | 100.0 |
| 100 Japanese | 1 | ** | 0 | ** | 0 | ** |
| 101 Chinese | 0 | ** | 0 | ** | 1 | ** |
| 102 Arabic | 3 | ** | 2 | ** | 2 | ** |
| Total | 1,564 | 95.5 | 1,617 | 95.1 | 1,746 | 95.5 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| University of Michigan- Dearborn | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|---|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 39 | 87.2 | 30 | 93.3 | 33 | 84.8 |
| 004 Speech | 1 | ** | 3 | ** | 4 | ** |
| 005 Reading | 2 | ** | 2 | ** | 0 | ** |
| 007 Economics | 1 | ** | 0 | ** | 1 | ** |
| 009 History | 26 | 76.9 | 21 | 85.7 | 19 | 89.5 |
| 010 Political Science | 8 | ** | 11 | 81.8 | 14 | 85.7 |
| 011 Psychology | 10 | 100.0 | 11 | 90.9 | 9 | ** |
| 012 Sociology | 4 | ** | 5 | ** | 4 | ** |
| 017 Biology | 7 | ** | 6 | ** | 4 | ** |
| 018 Chemistry | 4 | ** | 3 | ** | 3 | ** |
| 019 Physics | 2 | ** | 2 | ** | 4 | ** |
| 020 Earth/Space Science | 4 | ** | 3 | ** | 5 | ** |
| 022 Mathematics (Sec.) | 13 | 92.3 | 16 | 100.0 | 20 | 100.0 |
| 023 French | 4 | ** | 3 | ** | 2 | ** |
| 028 Spanish | 6 | ** | 5 | ** | 6 | ** |
| 050 Computer Science | 1 | ** | 1 | ** | 0 | ** |
| 059 Emotional Impairment | 7 | ** | 8 | ** | 13 | 100.0 |
| 063 Learning Disabilities | 52 | 90.4 | 45 | 93.3 | 55 | 94.5 |
| 082 Early Childhood Education | 14 | 100.0 | 33 | 97.0 | 32 | 96.9 |
| 083 Elementary Education | 149 | 91.3 | 127 | 97.6 | 104 | 98.1 |
| 084 Social Studies | 64 | 75.0 | 57 | 73.7 | 50 | 74.0 |
| 085 Middle Level | 1 | ** | 3 | ** | 4 | ** |
| 086 English as a Second Lang. | 18 | 77.8 | 23 | 82.6 | 27 | 77.8 |
| 089 Mathematics (Elem.) | 55 | 87.3 | 45 | 93.3 | 46 | 89.1 |
| 090 Language Arts | 68 | 76.5 | 56 | 75.0 | 48 | 66.7 |
| 092 Reading Specialist | 24 | 95.8 | 23 | 91.3 | 31 | 90.3 |
| 093 Integrated Science (Elem.) | 59 | 76.3 | 55 | 63.6 | 44 | 59.1 |
| 094 Integrated Science (Sec.) | 6 | ** | 6 | ** | 4 | ** |
| 106 ECE-General & Special Ed. | 19 | 78.9 | | | | |
| Total | 668 | 85.0 | 603 | 86.9 | 586 | 85.5 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| University of Michigan-Flint | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|-------------------------------------|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 55 | 90.9 | 55 | 87.3 | 47 | 83.0 |
| 004 Speech | 15 | 100.0 | 15 | 100.0 | 9 | ** |
| 009 History | 34 | 73.5 | 44 | 79.5 | 44 | 75.0 |
| 010 Political Science | 2 | ** | 3 | ** | 3 | ** |
| 011 Psychology | 13 | 76.9 | 11 | 81.8 | 5 | ** |
| 017 Biology | 6 | ** | 7 | ** | 11 | 100.0 |
| 018 Chemistry | 1 | ** | 0 | ** | 1 | ** |
| 019 Physics | 7 | ** | 4 | ** | 3 | ** |
| 020 Earth/Space Science | 16 | 68.8 | 17 | 70.6 | 20 | 65.0 |
| 022 Mathematics (Sec.) | 16 | 100.0 | 11 | 100.0 | 13 | 100.0 |
| 023 French | 5 | ** | 4 | ** | 2 | ** |
| 028 Spanish | 15 | 100.0 | 14 | 100.0 | 19 | 100.0 |
| 039 Music Education | 0 | ** | 0 | ** | 1 | ** |
| 053 Fine Arts | 17 | 29.4 | 21 | 28.6 | 20 | 20.0 |
| 056 Cognitive Impairment | 26 | 92.3 | 38 | 92.1 | 45 | 95.6 |
| 063 Learning Disabilities | 35 | 97.1 | 40 | 97.5 | 41 | 95.1 |
| 082 Early Childhood Education | 38 | 94.7 | 51 | 96.1 | 62 | 95.2 |
| 083 Elementary Education | 160 | 93.1 | 122 | 100.0 | 149 | 98.0 |
| 084 Social Studies | 73 | 61.6 | 75 | 69.3 | 91 | 68.1 |
| 089 Mathematics (Elem.) | 61 | 70.5 | 56 | 66.1 | 51 | 70.6 |
| 090 Language Arts | 77 | 66.2 | 71 | 59.2 | 97 | 60.8 |
| 092 Reading Specialist | 15 | 86.7 | 18 | 94.4 | 21 | 100.0 |
| 093 Integrated Science (Elem.) | 36 | 52.8 | 34 | 47.1 | 24 | 70.8 |
| 094 Integrated Science (Sec.) | 2 | ** | | | | |
| 095 Visual Arts Education | 11 | 100.0 | 15 | 93.3 | 22 | 100.0 |
| 099 Music | 11 | 100.0 | 9 | ** | 4 | ** |
| 106 ECE-General & Special Ed. | 27 | 88.9 | | | | |
| Total | 774 | 80.9 | 735 | 81.4 | 805 | 82.2 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Wayne State University | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|-------------------------------|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 84 | 83.3 | 93 | 90.3 | 125 | 88.0 |
| 003 Journalism | 0 | ** | 1 | ** | 1 | ** |
| 004 Speech | 16 | 93.8 | 17 | 94.1 | 20 | 95.0 |
| 005 Reading | 0 | ** | 0 | ** | 2 | ** |
| 007 Economics | 8 | ** | 8 | ** | 8 | ** |
| 008 Geography | 4 | ** | 7 | ** | 9 | ** |
| 009 History | 70 | 84.3 | 70 | 92.9 | 78 | 80.8 |
| 010 Political Science | 28 | 67.9 | 32 | 75.0 | 33 | 75.8 |
| 017 Biology | 23 | 82.6 | 19 | 89.5 | 15 | 73.3 |
| 018 Chemistry | 21 | 76.2 | 12 | 58.3 | 16 | 62.5 |
| 019 Physics | 9 | ** | 8 | ** | 15 | 100.0 |
| 020 Earth/Space Science | 10 | 80.0 | 10 | 80.0 | 9 | ** |
| 022 Mathematics (Sec.) | 46 | 93.5 | 41 | 87.8 | 44 | 93.2 |
| 023 French | 3 | ** | 2 | ** | 1 | ** |
| 024 German | 2 | ** | 1 | ** | 1 | ** |
| 026 Latin | 0 | ** | 0 | ** | 0 | ** |
| 027 Russian | 0 | ** | 0 | ** | 1 | ** |
| 028 Spanish | 21 | 71.4 | 20 | 85.0 | 21 | 85.7 |
| 029 Italian | 0 | ** | 1 | ** | 1 | ** |
| 032 Business Education | 0 | ** | 0 | ** | 1 | ** |
| 036 Marketing Education | 11 | 90.9 | 10 | 100.0 | 7 | ** |
| 039 Music Education | 0 | ** | 2 | ** | 5 | ** |
| 043 Health | 51 | 90.2 | 69 | 92.8 | 140 | 95.0 |
| 044 Physical Education | 38 | 81.6 | 41 | 85.4 | 46 | 89.1 |
| 046 Dance | 4 | ** | 4 | ** | 7 | ** |
| 048 Library Media | 36 | 91.7 | 44 | 95.5 | 69 | 95.7 |
| 050 Computer Science | 6 | ** | 8 | ** | 8 | ** |
| 051 Guidance Counselor | 36 | 83.3 | 42 | 71.4 | 64 | 71.9 |
| 053 Fine Arts | 0 | ** | 1 | ** | 3 | ** |
| 056 Cognitive Impairment | 116 | 84.5 | 141 | 85.1 | 166 | 80.7 |
| 057 Speech & Lang. Impairment | 0 | ** | 1 | ** | 5 | ** |
| 059 Emotional Impairment | 7 | ** | 10 | 80.0 | 13 | 76.9 |
| 063 Learning Disabilities | 62 | 87.1 | 77 | 85.7 | 129 | 86.0 |
| 064 Autism Spectrum Disorder | 64 | 87.5 | 76 | 94.7 | 94 | 94.7 |
| 070 Bilingual Spanish | 0 | ** | 0 | ** | 3 | ** |
| 074 Bilingual Arabic | 0 | ** | 0 | ** | 1 | ** |
| (Continued) | | | | | | |
| 075 Bilingual Education | 21 | 95.2 | 27 | 96.3 | 21 | 100.0 |

| Wayne State University | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|--|--------------|-------------|--------------|-------------|--------------|-------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 079 Bilingual Chaldean | 0 | ** | 0 | ** | 1 | ** |
| 080 Bilingual Chinese | 0 | ** | 0 | ** | 2 | ** |
| 082 Early Childhood Education | 39 | 97.4 | 65 | 95.4 | 76 | 96.1 |
| 083 Elementary Education | 408 | 92.9 | 405 | 94.6 | 500 | 93.8 |
| 084 Social Studies | 124 | 71.8 | 127 | 79.5 | 165 | 76.4 |
| 085 Middle Level | 2 | ** | 2 | ** | 2 | ** |
| 086 English as a Second Lang. | 64 | 76.6 | 67 | 86.6 | 71 | 84.5 |
| 087 Industrial Technology | 1 | ** | 1 | ** | 1 | ** |
| 089 Mathematics (Elem.) | 53 | 77.4 | 63 | 77.8 | 71 | 81.7 |
| 090 Language Arts | 55 | 65.5 | 63 | 66.7 | 83 | 61.4 |
| 091 Communication Arts | 2 | ** | 1 | ** | 1 | ** |
| 092 Reading Specialist | 22 | 90.9 | 17 | 100.0 | 14 | 100.0 |
| 093 Integrated Science (Elem.) | 72 | 62.5 | 79 | 60.8 | 89 | 62.9 |
| 094 Integrated Science (Sec.) | 15 | 80.0 | 10 | 70.0 | 17 | 58.8 |
| 095 Visual Arts Education | 30 | 93.3 | 43 | 97.7 | 45 | 93.3 |
| 098 Business, Management, Marketing, and Technology | 17 | 88.2 | 22 | 86.4 | 27 | 92.6 |
| 099 Music | 42 | 100.0 | 42 | 100.0 | 44 | 95.5 |
| 101 Chinese | 13 | 84.6 | 13 | 92.3 | 17 | 100.0 |
| 102 Arabic | 19 | 84.2 | 6 | ** | 2 | ** |
| 106 ECE-General & Special Ed. | 14 | 64.3 | | | | |
| Total | 1,789 | 84.5 | 1,921 | 87.0 | 2,410 | 85.9 |

Michigan Test for Teacher Certification
COMPARISON OF THREE-YEAR SUMMARIES OF STATE RESULTS
Cumulative Test Results of Eligible, First-Time Test Takers
Program Years: 2010 – 2013, 2009 - 2012, and 2008 – 2011

Content Area Results

| Western Michigan University | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|------------------------------------|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 002 English | 160 | 85.6 | 194 | 84.5 | 232 | 84.9 |
| 004 Speech | 51 | 98.0 | 59 | 94.9 | 57 | 89.5 |
| 005 Reading | 0 | ** | 0 | ** | 1 | ** |
| 008 Geography | 14 | 85.7 | 21 | 76.2 | 33 | 93.9 |
| 009 History | 98 | 82.7 | 121 | 84.3 | 164 | 85.4 |
| 010 Political Science | 20 | 90.0 | 32 | 90.6 | 56 | 85.7 |
| 017 Biology | 37 | 94.6 | 35 | 94.3 | 35 | 88.6 |
| 018 Chemistry | 21 | 71.4 | 25 | 80.0 | 29 | 75.9 |
| 019 Physics | 12 | 91.7 | 10 | 100.0 | 20 | 90.0 |
| 020 Earth/Space Science | 27 | 70.4 | 37 | 45.9 | 43 | 39.5 |
| 022 Mathematics (Sec.) | 70 | 97.1 | 76 | 96.1 | 82 | 95.1 |
| 023 French | 6 | ** | 9 | ** | 8 | ** |
| 024 German | 6 | ** | 5 | ** | 2 | ** |
| 026 Latin | 4 | ** | 1 | ** | 1 | ** |
| 028 Spanish | 53 | 88.7 | 51 | 84.3 | 55 | 85.5 |
| 032 Business Education | 1 | ** | 2 | ** | 3 | ** |
| 036 Marketing Education | 3 | ** | 2 | ** | 3 | ** |
| 039 Music Education | 14 | 100.0 | 28 | 100.0 | 60 | 100.0 |
| 040 Family & Consumer Sciences | 20 | 85.0 | 23 | 91.3 | 25 | 88.0 |
| 043 Health | 58 | 91.4 | 60 | 88.3 | 62 | 93.5 |
| 044 Physical Education | 92 | 81.5 | 105 | 81.9 | 116 | 86.2 |
| 049 Environmental Studies | 3 | ** | 7 | ** | 9 | ** |
| 051 Guidance Counselor | 69 | 89.9 | 66 | 84.8 | 85 | 83.5 |
| 053 Fine Arts | 0 | ** | 0 | ** | 1 | ** |
| 056 Cognitive Impairment | 54 | 81.5 | 60 | 80.0 | 78 | 82.1 |
| 057 Speech & Lang. Impairment | 7 | ** | 10 | 90.0 | 9 | ** |
| 059 Emotional Impairment | 48 | 81.3 | 55 | 76.4 | 93 | 81.7 |
| 061 Visually Impaired | 6 | ** | 4 | ** | 6 | ** |
| 063 Learning Disabilities | 144 | 95.1 | 159 | 93.1 | 181 | 93.9 |
| 082 Early Childhood Education | 221 | 93.7 | 321 | 93.5 | 326 | 92.3 |
| 083 Elementary Education | 714 | 93.3 | 650 | 97.8 | 717 | 97.5 |
| 084 Social Studies | 274 | 58.4 | 286 | 51.0 | 334 | 47.3 |
| 087 Industrial Technology | 17 | 88.2 | 17 | 88.2 | 18 | 83.3 |
| 088 Technology and Design | 1 | ** | 1 | ** | 1 | ** |
| 089 Mathematics (Elem.) | 157 | 85.4 | 190 | 86.3 | 198 | 87.4 |
| 090 Language Arts | 296 | 58.1 | 338 | 60.1 | 377 | 61.8 |
| 091 Communication Arts | 1 | ** | 0 | ** | 2 | ** |

(Continued)

| Western Michigan University | 2010-2013 | | 2009-2012 | | 2008-2011 | |
|--|------------------|---------------|------------------|---------------|------------------|---------------|
| | N | % Pass | N | % Pass | N | % Pass |
| 092 Reading Specialist | 34 | 91.2 | 35 | 91.4 | 48 | 87.5 |
| 093 Integrated Science (Elem.) | 66 | 53.0 | 63 | 55.6 | 81 | 60.5 |
| 094 Integrated Science (Sec.) | 1 | ** | 1 | ** | 2 | ** |
| 095 Visual Arts Education | 42 | 92.9 | 37 | 97.3 | 45 | 93.3 |
| 098 Business, Management, Marketing, and Technology | 40 | 82.5 | 54 | 83.3 | 47 | 85.1 |
| 099 Music | 46 | 100.0 | 18 | 100.0 | 3 | ** |
| 106 ECE-General & Special Ed. | 149 | 77.9 | | | | |
| Total | 3,157 | 83.0 | 3,268 | 82.8 | 3,748 | 82.5 |